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Electricity



Correspondence





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NG STORIES Owners of Recalcast Station With's

February, 1928

Vol. 2, No. 11 EDITIONAL A ADDRESS. SPRICES IN FISH AND MAY YOU DRY

Contents for February THE MASTER OF THE WORLD

(A Seral in Two Parts) (Part I)

COSMIC CIPHIBRE (A Posse)

OURSELVES, (A Poten)

By George McLoclare

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Occupied Admiraticing Toront. 1989

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In Our Next Issue: THE RETURN OF THE MARTIANS, by Cool

B White Being an astronomer, our author is well reformed on this relaped sad in this second to The Retriet to Mars, he gives us a reces uvasual as

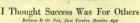
THE MASTER OF THE WORLD, (A Seriel or Two Peris) Pass II, by Jules Verne. In this installment, the accenty appearance and disappearance

TRE MILLION MILLISS SUNWARD, by Gent-try Headed. We mage that the selection that steep will arrow, will be as great as that of Theotor Mentions. While he is refuge to do the paint to gladge the area of the earth up even point to change the area of the earth up rowed point to change the area of the earth up areas songs. It is one of the deverest space of this had that we have even sent. And when you wrising with a large, or you and you while its wrising with a large, or you and you while its TEN MILLION MILES SUNWARD, by Good

of the control of the 111th Avenue New York City

PART A FIRE SHE PART AND IN THE PARTY





ODAY I'm mic owner of the fathe old days only a year ago, when short the rest for the lattle belevant It all serves like a dream new, as I lost has been the a cream age, as I now have seen the post twelve short specials, and their twe tilescended I was thus, at the Yeah of a filled slay. If through I never had had a good charee in my life, and I now though it never would have now that year a was exaking up that I needed, and hereby the ettery of hew I got II.

WAS a clerk, working at the usual sole Other follows second to find appartued by Dri-rach as I worted the good tes Dri-rach as I wanted the house things that no with nacess and a dreem increase—all the really well past verances I ever heard of assumed to be out of my line I ever heard of assumed to be out of my line

Mary had told my, "You one't get ahead hore we are. Why don't you get man That's fire, Mary," I replied, "but relat

if Wigh a hot first of share I turned and t the score, and walked rapidly house. So at was what my smalthers—the people

WHAT'S happened in the nacion passed Within Simponeous at the investigation of the classic special special polytomer scene atmost kin a densat no me asset Part may of those medical mostle. For least of Radia Savason of my near Az fare, of course, I storted it as a furth proposition of the fact of the gift, subject the graduous of the National ways under the wetched guidence of my

I Was Next Thing To "Down-and-Out" hig, or any one of the score of lines they propers you for. And to think that until that day I sent for their eye-special hook. I'd hom swiftly "I come had a change!" TOW Day making real money. I drive a Here's a real tip. You may not be said off on I was. But, think it cover-are

th you know about Rocks—clip the coryon below and both their free host row. It is filled with interacting facts, figures, any photon, and the information it will give you in worth a few reference of anybody! Selec. You will give yourself sands in any in of them. You will give you see that the property of the control of



THE MAGAZINE SCIENTIFICTION PERSONALY, 1929

WILBUR C WHITEHEAD Literey Fores DR. T. O'CONOR SLOANE, Ph.D., Agreesite Editor C. A. BRAND'T, Langery Editor

ME STORIES

Editorial and Control Officers 200 Elife Assess New York N. V.

Extravagant Fiction Today - - - - - - - Cold Fact Tomorrow

NEW AMAZING STORIES OUARTERLY

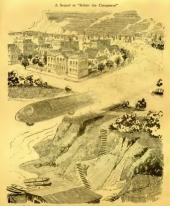
By Homes Box Plint

This well-leaves weeker has confine herself in this

Keesdaha of character and sowed charin is of cours

When one man finally solven the problem and most the knowledge for his own drawer, though will happen, whell in mixed, reactly the forms at the same.

The MASTER OF THE WORLD by Jules Verne



a. The dood error by the a numbers. To see could deficiently when it was that passed with each apost. . . . The apparatus passed old diagrament is no locate they with better to a not train of value dust, as an expensional particle of the country belong to the country.

What Happened in the Mountains F I speak of myself in this story, it is be-

the most extraorumny was Sometimes I even ask myself if all this has really happened, it

in the remarkable passages of the recital, it is

Why the same of Great Eyrie was originally given this mountain by the people of the surrounding

people of the neighborcircled high above the

Why then the name Great Eyrie? Perlyans the mount might better have been called a crater, for in might well be a large, deep basin. Perhaps there such as exists in other parts of the Arendschian

In brief, was this not the site of an ancient volluner fires might yet reawake? Might not the Great

In presence of these strange phenomens, it is not

Now before the actual ascent of the crater, with

THIS is a second to the percenting story, "Rober the Comparison" published in the December and January intense of Nancrett Seminar. In this present story, Island Verus beyond the tale of the emphase of a most number.

The ascension was begun according to the program suggested. The wind was fair and steady;

the sky clear; the morning clouds were desappearing

The bolloon rose at once to a height of fifteen

handed in the neighborhood of Raleigh, the capital This attempt having lafted, it was agreed that it should be tried again under better conditions. In-

The night of the fourth of April, the good folk uprour. They thought that the mountains were fullready for instant flight, fearing to see open before

The night was very dark. A weight of heavy clouds persed down upon the plain. Even had we been day the creat of the mountains would have

In the midst of this impenetrable obscurity, there

Into Morganton sped the news that stones, lava, Shrryd citizens of the town, however, observed peared above the crater; or at least their lural reflecthese reflections were no longer seen. If there had been an earthquake, the terrified people saw that at

Blue Ridge, set the pines and hamlocks wathing on the higher slopes. There seemed no new cause for penic; and folk began to return to their houses.

All, however, awasted impatiently the return of the rocky wall of the Great Eyrac Restorted from

started the conflarration, for no thunder had been at this height the chain of the Blue Ridge is well wooded. But those flames were too sudden for any

"An erustion!" "An erustion! The rev recomded from all sides. An eruption, ing everything in their passage, armitiating the towns, the villages, the farms, all this beautiful

within a mile of the mountain, they saw that the hie upon the slepes; no rumblings rose from the

At length, the flight of the furifives crased at a impossible to determine their cause, one might at

was at the mercy either of eruptions or of earthmalers. Yet once more, about five o'clock, from beneath night still lingered, a strange noise swept across the which, having risen from the Grost Eyne, sped away toward the east.

CHAPTER II

I Reach Morganton THE twenty-seventh of April, having left Washington the night before. I arrived as Folicisch, the capital of the state of North Carolina Two days before, the head of the federal police had called me to his room. He was awaiting me with some importance. "John Streck," shid he, proven to me both his devotion and his ability?"

promise success or even ability, but as to devotion, "I do not doubt it," responded the chief. "And

"Good, Strock, then listen." Mr. Ward, a man of about fifty years, of great power and intellect, was fully master of the im-

porture postson be filled. He had several times did not doubt that his questioning surplied a serious

"Doubtless you know," said he, "what has hap-sened down in the Blue Ridge Mourtains near "Surely, My Ward The phanomena reported

"They are singular, even remarkshie, Strock No

"It is clearly the duty of the authorities, Mr. Ward," responded L. "to learn what is sorne on

True, Strock; but that presents great difficulties Everyone reports that it is impossible to scale the But has anyone ever attempted it with scientific appliances and under the best conductors? I doubt it, and believe a resolute attempt may bring success."
"Nothing is impossible, Mr Ward, what we, face

not so imaccessible as as supposed. Perhaps a band of malefactors have secreted themselves there, gain-"Perhaps I am wrong, Strock; and these strange sights and sounds have all had natural causes. Well,

that is what we have to settle, and as equekly as "I have one question to ask."
"Go abord. Strock."

"When the Great Eyric has been visited, when we know the source of these phenomena, if there

Directors North Carolina with a decaster similar to "I hope, sir, there is no such widestread danger,"

system is nowhere volcame in its origin. But all three events cannot be without basis. In abort, Strock, we have decided to make a strict incomes agent in whom we have full confidence; and this "Good I am ready. Mr Ward," cried I, "and be sure that I shall neglect nothing to bring you

"I know it, Strock, and I will add that I styperd satisfy, your fevente provide of currouty."
"As you say, sir" "You will be free to act according to circumstances. As to expenses, if there seems reason to

"Let me caution you to set with all possible dis-

"You will be accredited to the Mayor of Morgan-

ton, who will sount you. Once more, he product Strock, and accusent no one with your mossion. given proofs of your untilligence and address; and

"To-morrow, I shall trave Washington; and the How bittle suspicion had I of what the feture had I returned immediately to my house, where I made ring found me in Releigh. There I pasted the night,

Morganton is but a small town, brill upon strata

mine give a sore proporty. It also has tumered units, so that the second their astrant many varieties of that the second their astrant many varieties. Account Mangantan A. It has not be mined of semante, overed with amount and retals. Evergreen instant such light up the monitories. Evergreen instant such light up the monitories of the control of the

to Morganton.
The mayor of Monganton, Mr. Elias Smiths was a tall man, vigorous and enterprising, forry years old or more, and of a health to defy all the doctors of the two Americas. He was a great humer of bears and penthers, beats which may still be found in the wild gonges and might forests of the

Mr. Smith was binself a rich band-owner, possocial govered famm in the melghachood. Even his most detault transes received frequent width from him. Infect, whenever his official duries did not keep him in his so-called home at Morganion, he was explosing the murrounity country, unresidely from by the unrients of the hinster. I went at once to be for your owned it is absention.

his pipe in his mouth, a glass of brandy on the table. A second glass was brought in by a servant, and I had to drink to my host before beginning our interview. "Mr. Ward sent you," said he to me in a joyal

"Mr. Ward sent you," said he to me in a jorust tone. "Good; let us drink to Mr. Ward's health" I clinked glasses with him, and drink in honor of the chief of police. "And now." demanded Blus Smith, "when a

"And now," demanded Elias Smith, "when as worrying him?"

At this I made known to the mayor of Morganton the cases and the purpose of my mission in North Carolina. I assured hom that my chief had given me full power, and would reader me every sostetance, franceful and otherwise, to solve the riddle and

regive the registerization of its another testine.

Elias South literated to me without studing word, but not welloon several times (effling his glas and mine. While he possed stoodly at his yops, those attention which he gave are was beyond question. I saw his checke flush at times, and his eye pleass under their booky between. Evidently the club.

Eyric, and would be as easy 1 at 1 to mounter me cause of these phenomena.

When I had finished my communication, Elias Smith gazed at me for some reasonate in alexac. Then he said, softly, "So at Washington they wish to know what the Great Byte hades within its

enit?"
"Yes, Mr. Smith

"I do."
"So do I, Mr Strock."
He and I were as one in our curiosity.
"You will understand," added he, knocking the sinders from his pipe, "that as a land-owner. Lan

much interested in these stories of the Great Eyrae, and as muyer, if wish to pretect my constituents."

"A dualthe reason," I commented, "to stientake you to discover the case of these extraordinary occurrences." Without doubt, my dear Mr. Smith, they have appeared to you as inexplicable and threat-

"Imagicable, certainly, Mr. Strock. For on my part, I do not believe it possible that the Great Eyrse can be a velocator; the Alleghanise are mostore of volcase origin. I, myself, in our immediate district, have never found any geological traces of scories, or law, or any eruptive rock whatever. I do not think,

therefore, that Morganton can possibly be t from such a source."

"You really think not. Mr. Smith?"

"Certainly,"
"But these tremblings of the earth that have been felt in the raighborhood?"
"Yes, these tremblings! These tremblings!" repeated Mr. Smith, shoking his bead; "but in the first
place, is a certain that there have been tremblings?
At the moment when the fitness showed most slorgly,
that are my few mol Widolo, less than a mile from

the air, but I the no quivering of the earth."

"But it he reports sent to Mr. Ward—"

"Reports made under the impulse of the parie,"

interrupted the mayor of Meeganton. "I said nothing of any earth termors in State.

But as to the flames which rose clearly above the crest?"
"Yes, as to those, Mr. Strock, that is different. I saw them; sew them with my own eyes, and the

Moreover, noises certainly came from the crozer of the Great Ryrie, hissings, as if a great baller were letting off access."

"You have reliable testimony of this?"

"Yes, the evidence of my own cars"
"And in the midst of this noise, Mr. Smith, did
you believe that you heard that most remarkable of
all the phenomena, a sound file the flagsing of great

and the presented as a contract of the second of the secon

has not yet been solved."
"But we will solve it, Mr. Smith, if you will give me your sid."
"Surely, Mr. Strock; to-morrow we will start our

contiguence.

"Ye-merrow." And on that word the mayor and
I separated. I went to a bottl, and esselfished myself for a say which might be indefinitely prelocated.

Then, having direct, and written to Mr. Ward, I.
Saw Mr. Sunth again in the afternoor, and arranged
to leave Morganton with him at daybreak.

Cave first summore was to undertable the ascent of

These men had ascended Mr. Mitchell and others of the highest peaks of the Blut Ridge. They had never, however, attempted the Great Eyrie, knowing every side. Moreover, before the recent starting occurrences, the Greet Eyen had not particularly starteded the attention of counts. Mr. Simil knew the two guides personally as men during, shifted and transvorthy. They would stop at no obstacle, and we were resolved to follow them through everythese.

and we were resolved to follow than through everyhing.

Moreover, Mr. Smith remained at the last that exhaus it was no longer so difficult as formerly to

"And why?" saked I

"Hecume a large block has recently broken away
from the mountainside and perhaps it has left a

"That would be a fortunate chance, Mr. Smith "
"We shall know all about it, Mr. Strock, no boter

"Till to-morrow, then."

The Great Byric

He mad day at Gowle, not continued along Meaganton by a read which, writing along the left bank of the Catawita River. led to the village of Heisant Gauden. The grides accommodition of the Catawita Cat

to carry in to the feor of the range. It contains provisions for two or three days, beyond which trip surely would not be protracted. Mr. Son had shown binned! a generous provider both it musts and in biquees. As to wates, the meaning springs would furnish it in abundance, mercissed the heavy fivins, frequent in that region during

It is needless to add that the Mayor of Marganton in his rike of hunter, had brought along his gun and his day, Nuko, who gambaled opcompts about the wagos. Nisko, however, was to remain behind at the farm at Wislow, when we attempted our ascent. He could not possibly follow us up the Great Erras with its chift in order and its reseases.

The day was hometrial, the fresh air in that el mate is still coof of an April sucreme. A few free clouds sped rapidly overhead, driven by a ligh lineau which awapt across the long plains, from it distant Atlastic. The sun, pepting forth at into wais, filtuncial all the fresh yearse written of it

which we passed. From before our courage the segurited, field-unce, parroptes of bellibert cales, and designing their years on their powher and designing their years on their powher reld gold, bewing their years on their powher of the passes of the passes of the power of the second that their duckets were impossibility. We rerived that evening at Pleasest Genfan, where we were consistently leasted for the high where we were consistently leasted for the high Mr. Smith. Pleasest Gorden proved lives more than a village, but the suppoy going a were sent

CILE WORLD

charming being, which stood beneath the shades of some gaint beech-trees.

Naturally the conversation turned upon our attempt to explore the interior of the Great Eyrie.

"You are right," and our boot, "until we all know what is inflorin within there, our words will remain

earning to exporte the interior of the Green Eypie.
"You are right," ead our host, "until we all know
what is indiden within there, our people will remain
unessy."
"Has nothing new occurred," I asked, "since the
last amountainess of flower shows the Cone, Proceed-

can see the entire creat of the mountain. Not a susponeous noise has come down to us. Not a spirit, has time. If a legion of devils is in height plane, they must have frushed their infernal coolery, and scared away to some other ham?

they must have frushed their informal coolery, and sourced away to some other haunt.
"Devisi" croud Mr. Smith "Well, I hope they have not decomped without deaving some traces of their occupation, some pairings of hoofs or home or their falls. We shall find them our.

of the merver of the two texts one. A prefix we started 4400 m is there. By the real of this scientification at the started 4400 m is the started 4400 m is the started 4500 m is the foot of the meaning the country was much as same as before, except that our road lost more than a size of the started for the started fo

The smaller limit and bests give yet more councitors "I am such tempted to take my gas," and Mi. Stetch, "and to go off with Nikito. This will be the first mine that I have possed here without trying my back with the particular and here. The good basets will not recognize me. But not be such as the such a

"And is us topo," notice I, "we do not come back disappointed hunters,"

In the afternoon the whole claim of the Buy-flaigh stretche before us it a disaster of only size miles. The mountain creats were sharply entitled against the clear size. Well wooded in the loss, they grew inter here and shared coly stunded everyreers amond the summer. There the verifiely integrite a block and starre appearance. He tookly hughes a block and starre appearance has the best and starre appearance.

rose in alary peaks. On our right the Black Merriturns, nearly seven thomsond feet high, reared their giganite bood, spatiking at times high above the clouds.

"Howe you were dishibed that mountain, Mr. Stuth?" I sakerd.
"No." answered he, "the I am told that it is a way difficult scenar. A frow mountaineers have

wery difficult assent. A few mountainers have chimbed it, but they report that it has no cudools commanding the crater of the Great Ryrie."
"That is so," and the guide, Harry Hom. "I have tried it myself."
"Perhaps." soggested I, "the weather was un-

"On the contrary, Mr. Strock, it was unusually clear. But the wall of the Great Eyric on that ade rose so high, it completely hid the interior." serry to set foot where no octoon has ever steeped. quil enough. As we gased upon it, there rose from Toward five o'clock our expedition balted at the

Wilden farm, where the tensors warmly welcomed their landlord. The farmer assured us that nothing some time. We susped at a common table with all

On the morrow, before break of day, we set out or the ascent of the mountain. The height of the for the secon of the mountain. The height of the Great Evric scarce executs five thousand fact. A modest altitude, often surpassed in this section of three thousand feet above sea level, the fatigue of

inaccessible. But this remained unproven. then there was the new chance that a fallen block "At last," said Mr. Smuth to me, after lighting

I are fully resolved to pursue our quest to the end"

"My chief has charged me to snatch the secret "We will snatch it from him, willing or unwill-

"As it may hopen, then," said I, "that our ex-

"Be easy, Mr. Strock; our guides have food for

"Already lighted, Mr Smith?" "And why not. Mr. Strock? These firmes! These superb flattes, which have so terrified our country folk! Is their fire absolutely cold, is no spark to even to cook an egg or reast a potato. Come, I repeat, we shall see? We shall see?"

At that point of the investigation I had, I con-fess, no option formal. I had my orders to examine the Great Eyric II it proved harmless, I would announce it, and people would be reassured. But at heart, I must admit, I had the very natural desire of a man possessed by the demon of curiosity. should be glad, both for my own sake, and for the renown which would attach to my mission if the

Great Eyric proved the center of the most remarkable obcassion-of which I would discover the

OUR ascent began in this order The two guides west in front to seek out the most practicable We mounted by a narrow and not very steep gungs

ward under our feet. During the many season or after a heavy shower, the water doubtless bounded sourcely trace its course. It could not be the cettlet After an hour of climburg, the slope became so steep that we had to turn, now to the right, now to the left; and our progress was such delayed. Soon

the gorse became wholly approacheable, its chiff-like by branches, to crawl upon our knees. At this rate "Faith!" eried Mr. Smith, stopping for breath, I realise why the climbers of the Great Eyric have within my knowledge

toil for very little profit. And if we had not special reasons to persist in our nitempt-

as these."
"The difficulties seem almost impassable," added

The question now was to determine to which side we should turn for a new route, to right, as to left, truth even the scalage of cirffs would have been more eray. Perhaps if we could get above this wooded slope we could advance with surer foot. Now, we could only so shead blindly, and trust to the instructs. ful. I believe that that callent lad would have agility Unforcumetty, neither Piles Smith nor I

However, when it is a matter of real need with me, I trust I shall never be backward, being resolute But it was not the same with the first magistrate of Morganton, less young, less virgrous, larger, stanter, and less persistent than we others. Plainle he made every effort, not to retard our progress,

In short, it was evident that the ascent of the Great Eyric would require for more time then we feet below it. Toward sen o'clock, after repeated attempts to

discover some more practicable toute, after num-

berless turnings and returnings, one of the guides on the upper bordes of the heavy wood. The trees to the base of the rock wall which constituted the

true Great Ryrie.
"Whew?" exclaimed Mr. Smith, learning against a mighty place tree, "a little respete, a bitle repose,

"Yes; after working our lungs and our legs, we will make our stomachs work." We were all agreed on this point. A rest would certainly freshen us. Our only came for incoverade

was now the appearance of the promptous slope shows us. We looked up toward one of these hare strips called in that region, slides. Anisl this loose earth, these yielding stones, and these abrust rocks

"Perhans unpossible," remonded Bowle Their comments caused me secret uneasuress. If

pash forward once more James Bruck took the lead; and we had only to follow him as beg we We advanced slowly. Our guiden did not attempt to concerd their doubt and bestration. Some

Twenty minutes later he returned and led up that the Black Dome rose at a distance of three or four sules. Our path was still difficult and reinful.

mental James Brack
"No doubt," answered Mr. Smith, "and I think

It was indeed this gash that Harry Horn had selected for our ascent. Our feet found indement in the famor earth which had resisted the passage easier, and our progress was in a straight line un-

Before us, less than a bundred feet away, but rose the rock wall, which formed the final crest. the last defence of the Great Evric

From this side, the summit of the wall showed capriciously irregular, rising in rude towers and

to be an enormous eagle silhouetted against the sky. just ready to trice flight. Upon the side, at least, the precipice was insurmountable.
"Rest a minute," said Mr. Smith, "and we will

see if it is possible to make our way around the lasse of this cliff."

"At any rate," said Harry Horn, "the great block must have falkn from this part of the chill; and it

They were both right; we must seek entrance discwhere. After a rest of ten minutes, we clamb-

Assuredly the Great Eyric now took on to my eyes an aspect absolutely funtastic. Its heights

With great difficulty and not without danger we continued our tour of this circumvalistics, where careful regularity. Nowhere was there any break in the fortification; nowhere a fault in the strate live

Always this mighty After an hour and a half of this laborious circuit

"A thousand devils!" cried be, "we know no better than before what is inside this confounded Great

Eyric, nor even if it is a cruter."
"Volcara, or not," and I. "there are no sustricions seises now, neither smoke nor flame rises above it,

tested the perfect calm of great altitudes

It was worth poting that the circumference of the huge wall was about twelve or fifteen hundred feet. As to the space enclosed within, we could ever mounted to this height, except the few birds Our watches showed three o'clock, and Mr. Smith to Pleasagt Garden to-night

I made no answer, and did not move from where I was sented; so he called again, "Come, Mr Strock, you don't arswer."

In truth, it cut me deeply to abundon our effort, curiosay had redoubled. But what could I do? Could I tear open this unvielding earth? Overlean the mighty cliff? Throwing one hast definat glare

The return was effected without great difficulty We had only to alide down where we had so laboriously scrembled up. Before five o'clock we descended the last slopes of the mountain, and the

old, "that the extreme rapidity of motion destroys "No," responded Mr Smith, "and I believe that

At half past eight our earriage drew up before the house of the Mayor of Pleasant Garden, where we passed the night. While I strove varily to altern. chance had it of succeeding than the first? The

So, the next day, having rewarded our two emdes.

A Meeting of the Automobile Club

TAS the mystery of the Great Eyrie to be safety of the people of western Carolina perhaps

Yet a fortnight after my return to Washington subse attention was wholly distracted from this problem by another very different to nature, but newspapers of Pennsylvana informed their readers

state. On the roads which radiated from Philadel. But as to what motor drove st, only imagination could say, and when the popular imagination is aroused, what limit is there to its hypotheses? At that period the most improved are grobales whether driven by steam, greeding, or electricity

rapid expresses, scarce exceed on the best lines of than double this speed

And, a hitarre detail to which the newspapers drew particular attention, the surface of the reads mustly made by heavy vehicles. At most there was Naturally there were protests from all sides. It

stroy everything in its passage, equipages and people

The public imagination, highly excited, readily acof hell, a pobin from another world, a moneter

out a special permit, without a number on his car. Moreover, it was not only Permsylvenia that

served as the theater of his sportive occupantities

The alarm having been given, it became the deter moving at such suced was senerally practicable. A in cognici sponer or later, and he smoshed seen o

"Nonsense!" declared the incredulous. "This madman would know well how to circle around such "And if necessary," added others, "the machine would leap over the barriers."

"And if he is indeed the devil he has as a former angel, presumably preserved his wings, and so he

Such was the attuition when, in the last week of

"It is probable," commented the New York Her-

the New World, would not the Old in its turn, be of descented by the mid career of this remarkable is

automobilist?

The following occurrence was reported in all the newspapers of the Umor, and with what comments and out-rive it is even to improve.

A rate was to be field by the intensistic Chin low Agencias, over the most of their state of which Agencias over the most of their state of their their states of the control of their states of their their states of their states of their states of their their possible by Maldies and make a first above their possible by Maldies and make a first above their possible by Maldies and make a first above their possible by Maldies and make a first above their possible by Maldies and Mandal, burden by their their possible by the states of their states their their possible by the states of their states their their possible by the states of the states of their their possible by the states of the states of their their possible by the states of the states of the states of their their

be desperately controlled. New records were expected to be made.

Calculating on the maximum speed hitharto attained, of spectage cighty miles an hour, this intenational contest covering two builded miles would have about these boars. And, to away all danger, the state surface in Wincomin public feetadien all other stuffle histories. Power in the Chara woul. Mil-

ntrost cottes over the transfer of the second rates were that about there bours. And, to swed all darger, the soils sufficiently of Warcznia had fortolden and to the trade between Pressi in Chern and Julie other trade between Pressi in Chern and Julie thirrites of May. Thus, if there were any accidents, these who suffered would be themselves to blime.

There was in unermose crowd; and it was not

composed only of the people of Wisomain Many thousands gradeved from the neighboring states of Illinois. Michigan, Iowa, Indiana, and twen from New York. Among the gestermen assembled were New York. Among the gestermen assembled were Austrians, each unitentity, of course, supporting the chanditum of its land. Morrowert, as this was the United Sains, the country of the greatest gernless of the world, bets were tunked of every our and less of the world, bets were tunked of every our and

The start was to be mode at eight o'doods in the morning; and to avoid covoring and the accidents which sains result from it, the internables were to start at two minute intervals, and more along the contract to the contract which with speciation. The free bridges were black with speciation. The properties of the contract of the contract of the part of the contract of the contract of the conparts. Unless there was some dissurrous seculent, some of these machines proud surely arrive at the

"Me hour and a holf had possel. There emission has studied content at Persists of Chrise. Were that a studied content at Persists of Chrise. Were was sent lack and (orth by telephone every fire mine and the state as the content of the means. Midway between Moderna and Effectsholes, the lead was held by a Mercan-Versone car and the detail followed by a Harvan-Versone car and be detaily followed by a Harvan-Versone car and be and Done-District. Some modelines had alternated the modelines were hoperately building of the content of the modelines were hoperately building of the modelines were hoperately building of the content of the modelines were hoperately building of the modelines were hoperately building of the modelines were hoperately building to the modelines were hoperately building to the modelines were hoperately building to the modelines were hoperately building the modelines were hoperately building the modelines and the modelines were hoperately building the modelines and the modelines are hoperately building the modelines are hoperately building the modelines are hoperately building the modelines are hoperately and the modelines are hoperately as the modelines are hoperately building the modelines are hoperately as a first particular and the modelines are hoperately as a first particular and the modelines are hoperately as a first particular and the modelines are hoperately as a first particular and the modelines are hoperately as a first particular and the modelines are hoperately as a first particular and the modelines are hoperately as a first particular and the modelines are hoperately as a first particular and the modelines are hoperately as a first particular and the modelines are hoperately as a first particular

cashy. And even had they been killed, the death of

Notentily the conference bearse more unions on approached the findings the one of Missais. Their were assumided the most carrieros, the carrieros of the most carrieros, the carrieros, the carrieros of the most carrieros, the carrieros of the most carrieros of the most carrieros of the most carrieros of the carriero

"One to two on the de Dion-Bouton!"
"Even money on the Rengalt!"

These crise irrug along the line of spectrates as each new ansatzer, most from the slephones. Solidarly at half-past moe by the town clock of Parame the Crise, two makes depend that town was considering the master of a dying closed of dark accompanied by shanks like those of a most arrest. Scarcoly had the crowds time to draw to can take, to except independent of the considering the control for most control for the control for

drot and fifty rules as boar.

The apparatum passed and disappeared in an instant, leaving behind it a long tiam of which data, is an express isocontrive leaves behind a train of ornoles.

EWiderfly it was an automobile with a most extraordisary motor. It it measurement this arrow-lea speed disary motor. It it measurement this arrow-lea speed the mar; it would pass them with this speed double differ one; it would arrow feet at the post.

And then from all parts acros an uponer, as soon as the spectators had nothing more to fear. "It is that infernal machine." "Yes, the car the ordice cannot ston."

"Yes, the cas the police cannot stop"
"But it has not been herrel of for a fortnight?"
"It was supposed to be done for, destroyed, gone forever."

Stan deriving."

Stan deriving in the were not the devit, who could this mysterous chauffeur he diriving, with this unicleive able velocity, his too less mysterious mechanic? At least it was beyond doubt that this was the same sechies which had already started so much attention. If the police believed that they had rightness it away, that it was preser to be heard of mere, well,

The first stimmed moment of surprise having passed, many people rushed to the telephones to a warn those further along the roate of the danger of which marmood, not only the people, but also the automobiles solutioned along the road,

When this terroble moments arrived like an ava-

lunche they would be annushed to pieces, ground into powder, annihilated)

And from the collision might not the destroyer numeric energy safe and sound? He must be so adroit, this classificar of chanditum, he saint handle his machine with such perfection of eye and handthen be large, no doubt, how to except from every situation. Fortunately the Wisconsin surhorities had also such percentains that the road world be clear except for contesting setomobiles. But what right had this machine smeng then!

And what said the nacers themselves, who, warned by telephone, had to sheer aside from the road in their cruzgle for the grand prine? By their estimante, this sunsing winder was going at least one hundred and thirty orders an hour. Fact as was them handly make our even the shape of the machine, a sort of lengthened prisable, probably not ever thirty feet long. It wheels span, with such spectry that

act terms in nestire stroke no sector.

As for the driver, hidden in the interior of his machine, he had been quite invisible. He remained as unknown as when he had first appeared on the various roads throughout the country.

Milwoolee was promptly warned of the country.

or task infections of supplies constantial as a first consent. The immediate purpose agreed supplies a first consent of the immediate purpose agreed supplies and the white the machine appear at any moment? And what rood was there, since the trade candel has the clop of Liake Michigan and the vehicle would therefore the forced to stop there asyony, mustes its supermixed driver could ride the water as well as the lead. Here, also as all lang the roots, the most extension.

Here, also, as all along the route, the most extrawagant suggestions were offered. Even those who would not admit that the mysterious chauffour must be Soam in person, allowed that he might be some monster except from the fautustic visions of the

Any second might being the expected approximan. It was no yet eleven o'clock when a runnblung was beard far down the track, and the dust rose in volcat witnerburds. Harsh whistlings abricked throughtubes six, woming all to give possage to the stouter. It did not obstere speed at the finish Labe Medigm was not half a mile beyond, and the nat. them must certainly be instead not be water. 'Could be them must certain was no longer motion of his nechanism.'

Thore could be little doubt of it. Like a shootest.

star, the vehicle flashed through Milwauker. When it had passed the city, would it plurge itself to destruction in the water of Lake Michigan? At any rate when it disappeared at a slight band in the read no trace was to be found of its passage

Along the Shores of New England

A T the time when the noverpotres were falled with these reports, I was again in Washinging their office, but had been unable to see its my their office, but had been unable to see its Family affairs had suddenly called him away, to be absent some weeks Mr Ward, however, unablededy knew of the faiture of my mission. The newspapers, especially think of North Curellio, had given

Naturally, I was much amoyed by this delay which further fretted my restless cursonly. I could turn to no other plans for the future. Could I give up the bope of learning the secret of the Great Egype? No.1. I would return to the attack a decen tunes of secressary, and despite every falling.

Single the uniquity of powers within these within

was not a take beyond human power. A neuffolding might be trained to the surrant's of the cliff; or a tunand might be pieced through its depth. Our engineers anter problems more difficult every day. But in this case it was necessary to consider the expunswhich might easily grow out of properties to the advantages to be general! A tunnel would cent many thousand dollars, and what good would it accom-

plish beyond satisfying the public curiosity and my own My personal resources were wholly maufficient for the achievement. Mr. Ward, who held the cov-

commercia funda, was sweep. I even throught of types to futerest some authorates. Oh, it I could but have pecuned one of them some pold or where the have pecuned one of them some pold or where the many some and the many some and the pold before region like that of the Peellen outer whose the Tourson at Onterhilla, which was the pold before the peellen sourcember, the Tourson at ortherible, which was the them to the peellen sourcember, the Tourson at Onterhilla, which was the peellen sourcember to the peelle

natural obstacles insumountable with the forces then at our command."
"I do not clouds that, Strock, I do not doubt that in the least. Nevertheless, the fact remains that you have discovered nothing of what is going on within

the Great Eyrle"
"Nothing, Mr. Ward"
"You saw no sign of fire?"

"None"
"And you hard no suspicious hoises whatever?"
"None"
"Then it is still uncertain if there is really a velcase there?"

"Still uncertain, Mr. Ward. But if it is there, we have good reason to believe that it has sunk into a predicund along."
"Still," returned Mr. Ward, "there is nothing to show that it will not wake up again any day, Strock. It is not except that a subsect should keep it must

he is not crossly extinguished—urfless indeed all those threatening runners have been been solely in the Carolinian imagination.

"That is not possible, sir," I said. "Both Mr. Smith the mayor of Morganton and this friend the mayor of Pleasant Garden, are rehable me.

mayor of Planicat Garden, are reliable non. And hely spasic from their own knowledge in this matter. Planes have certainly raten above the Great Eyric Strange noses have issued from it. There can be no doubt whatever of the reality of these phesumeras." "Gearned," declared Mr. Ward. "I admit that

the evidence is unusualistic. So the deduction to be drawn is that the Great Eyric has not yet given up its secret."
"If we are determined to know it. Mr. Wardt the actorion is only a solution of expense. Pickaxes and dynamite would some conjust those walls." "No destrip," responded the chief, "but such an interesting hardly norms instified, since the mountion is now quiet. We will wait wable and perhaps matter bersief will disclose her mystery."

many benefit will disclose ber mystery."

"Mr. Ward, believe me that I regret deeply that I have been smalle to notive the problem you mirrusted to me." I said.

"Monomest I be use usest yourself, Strock: The your deleas philosophesibly, We comma shows he successful even in the plots. How many examina to them, if they were a little more intelligent and less improducting and it they did not compromes them, the cause thin to by the across, a their to see longtimest, and to associate it without arounting any juporiest, for lessing up their way to give our certainnable lessons. I much profess to have them entered and the state of their beautiful and the profession of the second profession for lessing up their way to give our certainnable lessons. I much profess to have them entered and the second second second second the second second second the second se

On this matter I shared historicly the opinion of my chief. It is among rescale that one finds the most feeds. For this very ceases I had been much surprised that none of the ambiriless had been also to throw any light upon the recent performances of the "dermon automobile". And when Mr. Ward henought up this subject, I do not excound from him

He pointed out that the velocit was pencically apparently it that make arrive appearance, it had apparently vanished from all roads twee before a telephore message could be seen should. Acrew and memorias joilice agents had been present decomplant dechapter. He did not move confinessely from plot to place, even as his sumering speed, but seemed to appear only feel a microsit and that to variable into this sir. True, he had us place have decided with a mority of the contraction of the

and a half this track of two hundred miles.

But since then, there had been no zows whatever of the machine. Arrived at the end of the create, driven caused by its now majors, mabbe to stop, had it indeed been regarded within the water of Lade Michigapa. Mast we conclude that the motime and its driver lead both perioded, that there was no large any danger to be feared from eacher? The great any danger to be feared from eacher? The great

any danger to be feared from either? The great mixerity of the public refused to accept the conclusion. They fully expected the machine to reappear.

Mr. Ward frankly admitted that the whole matter seemed to him most extraordinary; and I abaved his

return, its Spaintenan mysteries which it is not given to most to understand.

We had fully decussed this affair, the clief and 1; and 1 thought that our interverse was at an end, when, after posing the room for a few moments, he add obreptly. "Yes, what happened there at Milvandow was very strange. But here is something

With this he handed me a report which he had vectored from Boston, on a subject of which the tweWith Lend at, Mr. Ward was summented freen the room. I seated upself by the wardow and studied with extreme attention the matter of the report. For some days the variety ador; the coast of Moine, Massuchusetts and Commercian had been the some of an appearance which no one could exactly describe. A moving body would appear smid the waters, some two or three miles of thore, and potitionally rapid evolutions. It would fish for a whale body and forth smong the waves and then dart out.

of sight. The holy moved with such lightning speed that the best estescopes could handly follow it. The kinglish file of seem to some theory, its countries are considered to the state of the control that the seem of the control that the most is difficult to the targetist against the badground of the cooss. It had been most frequently observed along the cooss. It would be control the control that the most frequently observed along the cooss. It was a substant to the control that the control that

where near at Pursuit seemed useless. It duried like an arrow beyond the range of view. Naturally, widely differing opinious were held as to the marrier of this object. But no broothesis

to the safers of this object. Hot no hypothesis noted on any secret bestle. Sensor were as much necessary to the safe of the s

At any rote, since this measure, whatever it was, bed appeared along the New England sheets, the fittle inling-senachs and pleasure boats doed not wentere forth. Wherever it appeared, the boats field to the neatest bather, as was that pressure. If the animal was of a ferocious character, none cared to useful its strick.

Arm the large plays and coast steamers, they had requiring to fast from any monetor, whale or otherwise. Several of them had seen that centure at a federatic of some miles. But when they attempted to approach, it find repelly away. One day, even a fast United States gain heat were not from Booton, if not to pursue the monetor, at least to send after at a few causion that. After through yet and the state of the control of the state of the control of the state of the control of the state of the s

a ministry climar south or people.

At this moment Mr. Ward returned and I interruped my reading to say, "There seems an yet more reason to complain of this sea-screen I in feet by ships. It does not pursue little ones Faciling and intelligence are not very strong in finite."

"Yet their erroritoric exist. Strock, and it strongly "Yet their erroritoric exist. Strock, and it strongly

"Yet their emotions exist, Strock, and it strongly aroused..."
"Bre, Mr. Ward, the beast seems not at all dangerous. One of two things will happen. Either it will researchly out these coasts, or faulty it will be coptured and we shall be able to study at at our leivere

"What the cau't be?" I protested in surpase "Finish your reading," said Mr. Ward

I did so; and found that is the second part of the

For some time no one had doubted that this was change of opinion had come about. People began

Certainly in that case its engine must be one of the secret of his invention, sought to attract public

Neither were the navies of the world beliedhand If, however, this were a boat of some new draign,

At this post in the report, I again passed in my

reading and considered the comment I wished to "What are you passing over, Strock?" demanded

my chief.
"It is this, Mr. Ward; the motive power of this

"So that is your idea, is it, Strock?"
"Yes, Mr. Ward." There was but one conclusion to be drawn, equally important now to win the secret of this no less mysterious navigator. And it must be wun disclose his invention? Would not the American

government or any other give him any price he chose Yet unfortugately, since the inventor of the terrestrial apparation had perweted in preserving his of the marine apparition would countly personne his."

longer heard from; and would not the second, in

coase. Though, of course, the assertion that it would not reappear at all, would have been hazard-

I noted another interesting and possibly impor-tant point. It was a surrolly coincidence which in-

over, their engines both possessed a most dancerous absolutely accusancy that the police should in some That is what Mr Ward pointed out to me, and

"Have you not observed, Strock," sald be, "that there is a sort of fantastic resemblance between

"There is something of the sort, Mr. Ward."

The First Letter

A FTER leaving Mr Ward I returned to my home in Long Street There I had nkurn A of time to consider this strange case units terrupted by either wife or children. My household Two months before I had obtained a leave of

Stated in my casy chair after breakfast, with my

if anything occurred I felt quite sure that the

paper told me nothing new. It dropped ally from What most frequently recurred to me was the

engines, which penerated this remarkable aread more

this new problem be as difficult to solve as was the

I moted selv that this new affair had a suneral resemblance to the other, since both messacul the security of the general public. To be sure, only the inhabitants of the Blue Ridge rogun had been in Great Eyne, While now, on every road of the

I found that, as was to be expected, the newsshe stopped before me, a water bettle in one basel the napten in the other, and asked maxicusly, "Is there no news, ser"

"None," I answered, knowing well to what she "The automobile has not come back?"

"Nor the beat?

"Nor the best. There is no news even in the "But --- your secret police information"

"Then, sir, if you please, of what use are the police? It is a question which has placed me more than "Now you see what will happen," continued the

"Good! When that happens, there will be some "He will never be amested, ar."

"Because he is the dead himself, and you can't Decyledly, thought I, the devil has meny uses: become a legend, much to the teste of the gossus of

we were foring a most bewildering problem For several days the newspapers of America and even those of Europe continued to discuss three

Under the date of the tenth of June, a New York paper published a carefully studied article on this of speed which could possibly be assigned to the If our own police had sourched differently to dis-

Mr. Ward referred to the matter each time I saw him. Our chat would begin by his rullying me about

"Never mind, my good Strock," said he, "there will come a chance for our dever inspector to remain his laurels. Take now this affair of the automobile and the best. If you could clear that up in advance

"It ceremly would Mr Ward And if you gut the metter in any charge-"Who knows, Strock? Let us wait awhile! Let Matters stood thus when, on the meeting of June

the handwriting. The postmark, dating from two days before, was stamped at the post-office of Mor-

Moreaston! Here at last was, no doubt, news from Mr Elsas Smith. "Yes?" exclaimed I, speaking to my old servant,

"Morranton" said the old woman, "lan't that the place where the demons set fire to their mountain?"
"Exactly."

"Oh, ser! I hope you don't mean to go back "Because you will and by being humed up in that

The envelope was scaled with red scaling wax, with these stars. The paper was thick and very

Looking again at the three untials of the signature

"Great Eyne, Blue Ridge Mins, North Carolina, June 13th. "To Mr. Strock Chief Inspector of Police,

"You were charged with the mission of penetrat-You came on Anni the twenty-eighth, arcom

You mounted to the foot of the wall, and you

"Do not try again, for the accord attempt will not "Heed this warning, or evil fortune will come to

A Third Machine

CONFESS that at first this letter dumbfounded

I appropried for I kept few accrets from this faithful soul-by reading her the letter from end to "A joke, without doubt," said I, shrugging my

"Well" returned my superstitions handward "if

Left alone, I again went over this unexpected letter Reflection inclined me yet more strongly to be-

To saveme, on the other hand, that the Eyric really

served as the refuge of a band of criminals, seemed Their chief accurity would be in keeping their pressuch a challenge from them would only arouse the would soon open an entrance to their fortress Moreover how could these men have, thouselves, gained

Hence though for an instant I had thought of

as lettle weight to them as to this.

Several days passed quicily. There was nothing inston; though in my line of duty one is never certum of the morrow. At any moment I regist be speeding from Orogen to Florida, from Mame to

Texas. And-this unplessent thought hausted me Of the mysterious chanfleur or chauffeurs, nothing he must have left America. Perhaps he was in the waters of the Old World, or else resting in some

any more than an automobile. Only high-flying birds The nineteenth of June I was going to the police bureau, when, on leaving my house, I neteed two earn who looked at me with a certain locaness. Not

For some days, the said, the had noticed that two

'Yes sir, and no longer are than vesterday, when

adventure was well known. The newspapers had you came into the bouse, these men came shopens along in your footsteps, and then went away as soon "But I tell you I am not mataken, air."

"And if you met these two men, you would know them?"

"I would!"

"I would."
"Good," I eriod, laughing, "I see you have the very spirit of a detective. I must engage you as a member of our force."

"Joke it you like, str. But I have still two good spus, and I don't need speciable to recognize people. Someone is appring on you, that's certain; and you should put some of your men to track them, in turn." "All right, I premise to do so," I said, to satisfy

"All right, I promise to do so," I said, to satisfy her "And when my men get after them, we shall soon know what these mysterious fellows want of ms."

In truth, I did not take the good soul's excrited ga-

"When I go out, I will watch the people around me

"That will be best, sir."

My poor old houselessper was always frightening tiered at nothing, "If I see then again," she added, "I will wan you before you set foot out of doors."

"Agreed?" And I broke off the conversation, increasing well that if I allowed her to rue on, she

care of his chief attendants were at my beels.

The two following days, there was certainly no one spying on me, either at my exists or entringers. So I concluded that my old servant had made much of nothing, as exists! But on the morning of the twenty-seround of June, after maching myssing as parolly as better age would perfect the developed old acid

rapidly as her age would persuit, the devoted old soul burst into my room and in a half whisper guaped, "Ser! Ser!"

"What is it?"
"They are there!"

"They are there!"
"Who?" I quened, my mind on anything but the

web the had been spinning about t "The two spics?"

"Ah, those wonderful spics?"

"Themselved —In the street —Right in frost of our windows!—Watching the house, waiting for you to go out."

I wont to the window and raising just an edge of

men on the pavement.

They were rather fine-looking men, bread-shouldered and vigorous, aged somewhat under forty, dressed in the ordinary fashien of the day, with skinched heats, heavy wooten saits, stout wilding shock and steller in hand. Undoubtedly, they were

shors and stocks in band. Undoubtefly, they were sharing pessistantly at my approachly unwatchful bose. Then, having earlianged a few words, they strolled off a little way, and returned again. "Are you save those are the same men you saw before?"

"Ves vir."

Fee, Nr. I could no leager dismiss her worning or an hallocination, and I precented myself to clear the property of the property of the man myself, I was presumably too well dismine the man myself, I was presumably too well dismine the myself, I their directly would probably be of no use. But their directly would probably be of no use. But that very day, one of our best mean should be put or wants, and if the spice returned on the morrow, they should be treated in their turns, and weeched

At the moment, they were wisting to follow me to police headquarters. For it was there that I was board, as usual. If they accompanied me I stught he alte to offer them a hospitality for which they would scaree thank suc.

I took my hat; and while the housekeeper re-

I took my hat; and while the housebeeper renation perpang from the window, I went downstam, opened the door, and stepped into the street. The two man were no longer there. Despite all my watchfulness, that day I saw no

silice of their in 1 passed atong the streets. From the time on, unified, another my old servant nee I saw them again before the lucus, nor del I encounter time discussed in the control of the control of the control of the control of the respect to the control of the control of the Perhaps, after all, admitting that I had been the object of their explosings, they fall been resisten in my identity. Having obtained a good lock in the, they arm followed me no more. So in the cod, I

object of their explanage, they had been restriken in my obsence. Having obtained a good lock at me, they now followed me no more. So in the cod, I came to regard this matter so of no more importance than the letter with the mixed M. o. W. Then, on the twenty-fourth of June, there came a new event, to further stimulate both my interest and

new event, to further stimulate both my interest and that of the general pubbe in the previous mysteries of the automobile and the local. The Workington Evening Ster published the following account, which was next morning explicit by every paper in the country.

"Lake Kireled in Kansas, forty miles west of To-

and doubtless will have it bereatter, for attention is now drawn to it me a very remarkable way. "This lake, deep among the mountains, appears to have no outlet. What it loss in evaporation, it re-

pains from me neue negationing streamers and the heavy fains.

"Lake Kindall covers about seventy-five square miles, and its level is but slightly below that of the heights which ourround it. Shut in among the moun-

blin, it can be reached only by marrow and rodes geogra. Several willages, however, have spring upon upon its banks. It is full of fash, and fashing-beast cover its waters.

"Lalos Krudall is in many places fifty feet deer

class to show. Sharp, pointed rocks form the object of this have harm. Its surges, romed by high-winds, best upon its leads with fury, and the houses must at head are often delegad with spray as if with the downquar of a harricane. The bike, already deep set this step, because yet deeper toward the extensive start of the control of the start of the start

ing boats in addition to the dozen or so of little
y stommers which serve the traffic of the lake. Beyond
the circle of the monations file the rafficants which
transport the products of the follow industry
throughout Kansas and the neighboring states.

"This account of Lake Kirdali is necessary for the
understanding of the remarkable forts which we are

at about to report.

And the a whet the Herming Star then reported to the man have noticed a strange upbeaved in the theorem have noticed a strange upbeaved in the two waters of the late. Scarnfinns it rises no if a wave surged up from its depths. Even in perfectly caline developed, when there is no wind whitever, this upbeaved scorttenes arise is a mass of force.

Tossed about by violent waves of unaccountables currents boats have been swept beyond all control. Sometimes they have been dashed one against another, and serious damage has resisted.

"This rear insign of the waters evidently has its origin somewhat in the depth of the lake; and warrans explanators have been offered to account for it. Aft first, it was suggested that the trouble was due to prisonal forces, to come volcame action beauth the lake, but this hypothesis had to be rejected when it you recognised that the disturbance was not confined in one locality, but spread liked for orthe extract war-

yes recognized that the disturbence who not confined to one locality, but spread filself over the extince arriface of the lake, either of one part or another, in the center or along the edges, traveling along almost in a regular like and in a way to exclude unitely all size of carebayeske or volcanze action.

"Another hypothesis suggested; that it was a ma-

of correspond or reaction instead. That it was a natrice money who then updared the works. But miles the best had been been in the lide and had here grown to it degrated respections assumed to the form cornels. Like Kriefel, however, has no cornnecias with any other waters. It the lide were remained to the contraction of the lide were turrancea crash, but is the entire of America, and the their processing of the contraction of the extraction of the contraction of the contraction of the their processing of the contraction of the level, then not possible. In duct, here is morbitated the impossible of the experience, then to on the impossibility of these experience, than to

"It is possible that the subtentities boot is being experimented with beneath the link? Such basis are no larger impossible today. Some years age, on Beligiegoric, Commontunt, there was hermitted in Sut. The Prostates, which could go on the uniter, under the water, and also upon land. But you interest memor Laker, supplied with one may be a possible one of two Imparted and fifty between and a gestales one of two Imparted and fifty between the wast long promised with whatles is yould in dismoster, which orabled it to real lawer the reads, as well as sowith the

"But even then, granting that the turned of Lake Kirdall might be produced by a submittine, brought to a high degree of perfection, there remains as kefore the quantum hose could it have reached Lake Kirdall? The lake, shut in on all sides by a circle of mountains, is no more accessible to a submittine than

The district way this last passible question may be olived, the meters of the strange appearance number to extend the strange passible to the last district of since the twentieth of june. On that day, in the aftermoon, the schooler Merkel, while speeding with all suit set, came into vident collision with remembring just below the work reduction. There was no should not rock near; for the late in this part is elightly or ninety text does. The schoolers with both her bow and her side landly indican, with in great danger of simbing. She managed, however,

"When the Market had been pumped out a healed up on shore, on examination showed that head appeared a bless over the how as if from

powerful run.

"From this it seems evident that there is actually
a submerine beat which deres about beneath the surface of Lake Kirdall with most armateable regislar.

"The thing is difficult to explain. Not only is
there a question as to how did the inhusatine get
free? But why is it there? Why does it never

come to the surface? What reason has its owner for remining unknown? Are other dasastes to be expected from the relation country? The attack in the Eorening Star closed with this truly straking suggestion; "After the mysterious into tomoledic come the mysterious shout. Now comes the mysterious substrating."

"Must we conclude that the three engines are due to the genius of the same inventor, and that the three vehicles are in truth but one?"

CHAPTER VIII

THE suggestion of the Mar came Be a revelation. It was accepted everywhere. Not only were these three vehicles the work of the once inventor; they were the same machine! It was not easy to see how the remarkable transformation could be practically accomplished from one means, of bosometoms to the other. How could

an autorobic become a bond, and yet move, a normative? All the meadine second to be down the marrier? All the meadine second to be down the marrier? All the meadine second to be down the bing, that was known of the three different modelines, at a to their use, there who, then is do of older or of the marrier was to their use the major, the meadine many conditionant, found in the same marrier as many conditionant, found in the same marrier as a superior of the marrier was the marrier was the marrier was the marrier was married as the marrier was the mar

space-seen of an engine to invariant or manney, and moved use. When invalenthis advantages would be given to any center, took on hind and control of the given to any center, took on hind and control of the grant of money would be too great to pay for the secret; Assertice could not put her millions to better too.

But to buy the machine, it was necessary to find

the investor's and there the chief difficulty sector to the investor's and there the chief difficulty sector to the chief difficulty sector to the chief the

that natter, how had it come? An insoluble problem?

The referencies was heard from no more, neither in Lake Kirchil me chewhere. It had disappeared to the the name of the complete from the roads, and fire the best from the navier. Security firms in my

on the morning of the twenty-seventh of June, I
was summoned into the personne of Mr. Ward.

was summoned into the presence of Mr. Ward.
"Well, Streek," said be, "here is a splendid chance for you to get your revenge."
"Revenue for the Great Divise disappointment?" "What chance?" asked I, not knowing if he spoke seriously, of in just.
"Why, there," he enswered. "Wasld not you bke to discover the invento of this three-field machine?" "I certainly should, Nr. Ward. Give me the order to take charge of the suster, and I wiff accomplish

"I certainly should, Mr Ward Give me the order to take charge of the matter, and I will accomplish the impossible, in order to succord. It is true, I believe it will be difficult."
"Undoubtedly, Strock, Perhaps even more diffi-

call than to practice into the Great Eyric."

It was evident that Mr Ward was intent on an ing me about my unisaccess. He would not do it lick assured, out of more unkindings. Ferhaps it he meast to rouse my residention. He know me wand realised that I would have given anything in world to recent my defeat. I would not such that we have the ward to be a support of the control of

sustractions. Mr. Word dropped his jesting and said to be very generously. 'I know, Streck, this you accomplished everything that depended on human powers, and dast no thom attacks to you. But we face now a dast no thom attacks to you. But we face now a The day the procrement decodes to force the year, excepting as ready. We have only to apond some thousands of dellars, and the road well be

"That is what I would urge."
"But at present," such Mr. Ward, shaking his head,
"It is much more important to place our hands on
this funtastic inventor, who so constantly escapes us

this furnissite inventor, who so constantly escapes us. That is week for a cheeking, indeed, a master detective?

"He has not been heard from again?"

"No; and though there is every reason to befree

that he has been, and still continues, beneath the waters of Lake Kirdall, it has been impossible to find any trace of him snywhere around there. One would almost famely be had the power of moleng himself invisible, this Proteus of a mechanic!"
"If some Boly," said I, "that he will never he

seem until he writings to be "
"True, Strock. And to my mind there is only one
way of dealing with him, and that is to offer him

such an experience price that he elamor refuse to sell his invention.

Mr. Ward was right. Indeed, the government had already made the effort to secure speech with the sheet of the day and surjey to human history has seen

suredly leave what the poverment desired of him, and how completely he could name the terms he wished. "Surely," added Mr. Ward, "this invention can be of no personal use to the man, that he should hide it from the roat of no. There is every wassen who

he should sell it. Can this triknown be already some disagerous cripinial who, thinks to his machine, hopes to de'y all pursuit?" My chief then went on to explain that it had bean decided to amplyo other meens in search of the inventice. It was possible, after all, that he had per block with his machine in some dangerous ammentur.

darket on Lake Kirdall, no news of him whatever ad reached the police

On this point, Mr. Ward did not attempt to hide

In disseptimizator and his anxiety. Anxiety, yes, for it wis missingfully becoming more and more difficult for it wis missingfully becoming more and more difficult for him so fulfill his drifty of protecting the public. How could we arried trainmain, if they could not a sea? How could we prove them under the countries and when displain hallows resheld also have resulted that full perfection, we world even have to chook mean through the sid? I saked support if my collection and it would not full outside the product of the countries and it would not full outside the countries and it would not full outside the countries and the countries are the countries and the countries and the countries are the countries.

carded by society?

Here, there recurred to me the Jesung Jetter. I had received a feetingth before, the Jettee which threat-the strength is before, the Jettee which threat-the threather selection of the Jettee which the strengther designate of which I had been this subject. I solid myself if I had bester mention these hanges to Mr Word. But they seemed to have almost the Jettee which we have the subject in the strength of the Jettee which is not related to the strength of the Jettee which is the province, since as crupture was no legger throatening. And they now wished to employ me upon the nearest matter. I wanted, then, to mention

Mr. Ward again took up one conversation "We are received by some means to establish communication with this awentor. He has disappeared, it is a great to the some property of the solid property of t

personally the moment you arrive here."
"I will follow orders exceetly, Mr. Ward," I saswared "But persail me one question. Ought I to not alone, or will it not be better to you with me—!" "That is what I intend," and the chief, interruping me. "You are to choose two of our men whom you think the best fixed."

you must be test fried."
"I will do so, Mr. Ward. And now, if some day
or other I stand in the presence of our man, what are
I to do with him?"
"Above all things, do not lose sight of him. If

there for the row, are then You shall have a search. "As the started warrant," "A swell precaution, Mr. Ward. If he started to jump time bits autorned; and to apped away at the rote we know of, I must stop like at any control concentration are for the rote with the rote win the rote with the rote with the rote with the rote with the rot

mode, telegraph me. After that, the matter will be in my hards."
"Count on me, Mr Ward; is any hour, day or night, I shall be ready to start with my men. I thenly the feet being refranciable this market to me.

n you for having entravited this muselon to me. If it succeeds, it well be a great hence—"
"And of great profile," added my chief, dismission no.

Returning beans, I made all preparations for a

trip of indefinite duration. Perhaps my good houselaneper imagined that I planned a return to the Great Byrie, which the regarded as an antie-disanter of hell itself. She eald nothing, but went about her work with a most decorating face. Nevertheless. sure m: I was of her discretion, I told her nothing in this great anisson I would confide in no one My choice of the two men to accompany me was easily made. They beth belonged to my own department, and had many times under my direct concensal of the many times the many times of the conpany. They have been also the many times of the years, the other, aged birry-two, was Nah Walker of Masanchinette: I could not have had better

assistants.

Several days passed, without news, either of the
agonosolid, the boat, or the submarine. There were
remore in plenty; but the police leave tham to be
false. As to the recidess sources that appeared it
the newspapers, they had most of them, no foundation, advocars. Even the best serrous control, and

trea whatever. Even the best pointals cannot be trusted to refuse an exerting left of nawa on the mere ground of its untellability.

Then, twice in quick succession, there earne what

hour." The first asserted that he had been seen on the reads of Arlatanes, near Little Rock. The second, that he was in the very middle of Lake Superior. Under the same of the read of Lake Superior. The second carried the second seen of the second set in for the event good the second set in for the evening of the some day. Now, these two points of the United States turning are not four than upday in marked milds appet. Even genera-

traverse the Status of Arkamas, Messouri, Joses and Wiscontin, from end to end, without any one of our agents giving as warning, without any interested person rashing to a telephone.

After these two inconentary appearances, if appearances they were, the meshans again dropped out of knowledge. Mr. Ward did not think it worth

while to dispatch me and my men to either point whereo it had been reported. Yet since this marvelous machine seemed still in existence, something must be doze. The following official notice was published in every newspaper of

official notice was published in every newspaper of the United States, under July 3d. It was conched in the most formal terms; "During the snouth of April, of the present year, an automobile traversed the roads of Pennsylvarias, of Kennnely, of Oths, of Tennesse, of Missouri, of

of Xentucky, of Olto, of Termsner, of Missouri, of Illinois; and, on the twuty-seventh of May, during the race held by the American Automobile Cult, if covered the course in Wisconsin Then it disappeared.

covered the course in Wisconsin Then it disappeared.

"During the first work of June, a best maneuvering as great speed appeared off the coast of New England between Cape Ced and Cape Sable, and more particularly scannil Booton." Then it disap-

peared.
"In the second fortsight of the same month, a submarine book was run beneath the waters of Lake Kirdall, in Kansas. Then it disappeared. "Everythine points to the befired that the same in-

heps that they are the same mathine, constructed so as to travel both on land and water "A proposition is therefore addressed to the said

"A proposition is therefore addressed to the said inventor, whoever he be, with the sam of acquiring the said machine
"He is represted to make himself known and to mane the terms upon which he will treat with the United States government. He is also requested to answer as promptly as possible to the Department of

America."

Such was the notice printed in large type on the frent page of every accesspaper. Surely it could not field to reach the eye of him for whom it was intended, wherever he might be. He would read it.

full to reach the eye of him for whom it was headed, wherever he might be. He would read it. He could scarce full to answer it in some manner. And why should be refuse such an unlimited offer? We had only to await his reply.

We had don't to swart its reporCore can easily insighe bow light, an open outoff the control of the control

the exhaustile purses!

The day passed. To how meny excited and impetent people it seemed to consist more than twentytour hours! And each hour held far more than
sixty minutes! There came no answer, no letter, no
talegran! The might following, there was still you

it news. And it was the same the next dey—and the next dependent of the next dependent of the next dependent of what the United Stotes government had does—The different Powers of the Odd World beyond also the addition concession of the world-full reserving.

Why should they not struggle for an advantage so tremendous? Way should they not enter the contest with their relliens?

In best, every great power took part in the affair, France, England, Russis, Istly, Austria, Germany, Only the states of the second order releasined from entering with their smaller resources, upon a uncless entering with their smaller resources, upon a uncless

Only the states of the second order referainced from nettering with their smaller resources, upon a meless effort. The European perso published notices idential with these of the United Stones. The extraordinary "chauffeur" had only to speak, to become a survey "chauffeur" had only to speak, to become as Morphus, and the Kothuchida of every country of Europea. And, when the mysterious inventor made no siem, And, when the mysterious inventor made no siem,

what astructive defers were hold forth to tomp the toto discard the occupy in which he was envesaged.

The control of the co

ng Exidently the other nations of the world did not think so, for their hids remained below the final sum, to But how ustless was this mishty structle of the great rivals! The inventor did not appear? He did not cost! He had never certifiel! It was all a smonstrous pettense of the American newspapers Thus, at least, became the amounted view of the Old World. And so the time passed. There was no further news of our rise, there was no resoccuse from him.

And so the time passed. There was no further ness of our min, there was no response from him. He appeared no mee. For say part, not knowing what to think, I commenced to lose all hope of reaching any solution to the attrange affair. Then on the meraing of the fifteenth of July, a

Then on the morning of the fifteenth of July, a letter without patenark was found as the mailtoo of the police bursts. After the authorities had studied it, it was given out to the Washington youmals, which published it is facefured; in special numbers. It was couched as follows:

CHAPTER IX The Second Letter

"On Board the "Perror"
"July 15.
"To the OM and New Works: "July 15.
"The propositions emanating from the different governments of Europe, as also that which has finally been made by the United

States of America, med expect no other answer than this:

"I refuse absolutely and definitely the sums offerred for my invention,
"My machine will be neither French nor German,

"My machine will be neither French nor German, nor Austrian nor Rossian, nor English nor American.
"The invention will remain my own, and I shall use it as always me

"With it, I hold control of the entire world, and there has no force within the reach of humanity which is able to resist me, under any encumstances whatever.

"Let no one attempt to selve or stop me. It is, and will be, utterly impossible. Whatever lajury suggest attempts against me, I will return a hundred-

"As to the money which is offered me, I despise
it! I have no need of it. Moreover, on the day
when it pleases me to have militons, or billions, I
have but to reach out my braid and take them."
I they but to reach out my braid and take them.
They can accomplish orbiting against me; I can
thie. They can accomplish orbiting against me; I can

"So I sagn this letter;

"The Master of the World,"

CHAPTER X Outside the Law

SUCH was the letter addressed to the government of the United States. As to the person who had placed at in the police maillion, no one

had been farm by The sheemed in the relative by The sheemed in the relative by The sheemed during the enther night. Drug anneat to number, there had always been relative by an anneat to number, there had always been relative by an anneat to number, there had always been relative by an anneat to number, the had always been relative to number of the left true, however, data even them, the beare of the left entight eathly have aligned by unsuen and dropped the letter in the box. The night had been so dusk, you could assertedy see from one side of the street.

I have said that this letter appeared in faceinfile in all the peropagers to which the government communicated it. Perhaps one seekla naturally imagine that the first common of the guiltie would be. "This is the two-wide of some practical ploter." It was in that was not a superior of the perhaps of the pe

essent letter, nother in Washington, nor as the re America. To the few who would have maintain at the document should not be taken serrously, a smouse majority would have responded. "This is t has not the style nor the spire of a painter. On as man resuld have written it; and that is the love of the control of the spire of a painter.

able, some for corone state of mind early explain.

Ale, For mit he transp facts of which the key had

be. For mit he transp facts of which the key had

ale. For mit he transp facts of which the key had

the state of the state

ments be bad written this letter. For instant of edropring at in the poot in any one leesling, which imply have routhed in its being traced to harm he all come to Washington and deposted It himself in the control of the control of the control of the state of the control of the control of the state of the control of the control of the Well! If this remarkable personage land redomed that this new proof of his colorous would make this new proof of his colorous would make the corne solds in two worlds, he cortainly figured

a will-known phrase—scoroby believe their eyis.

As far mayoli, I studied carefully every phase of

and heavy. An expect at chirepophy would (colletess bave debuggished in the lines incare of a widere temperament, of a character stern and unsocial,

any houselesspread in the law. Why the Contractly

any houselesspread in the law. Why the Contractly

tiefod sooner the resemblance of the hundwriting to

list of sooner the resemblance of the hundwriting to

list of the electer I had received from Morganizon?

they not stand for the words "Master of the World?"

And where came the second letter? "On Board the Thereo?" Doubtless this same was that of the triple matchine communical by the mysterious captain. The infifths in my letter were his own signs.

dated to renew my attempt on the Great Eyric.

I must and took from my desk the latter of June
thirteeath I compared it with the facsimile in the
newspapers. There was no doubt about it. They
were look in the same possible headwriting.

celly to myself. The man who had the strend use was the commander of the "Terror"—starting mann, only too well justified! I saked myself if our search could not now be prosecuted under less wayse conflictors. Could we not now start our men upon a what relation existed between the "Terror" and the Great Kyne? What consection was there between the phenomena of the Blue Ridge Mountains, and the no less phenomenal performances of the faministre mechine.

the to less procedured performances of the familians machine.

I know what my first step would be land with the letter in my pocket, I havened to pokes bendgingters. Inquiring if Mr. Ward was within and rocceying an affirmative roby. I bettered towed his dock.

and rapped upon it with unusual and perhaps unnecessary vigor. Upon his cell to enter, I attripped eagerly into the room.

The chief had speed before him the letter publabed in the papers, not a factionit, but the original

bashed in the papers, not a incirrint, but the original sacili which had been deposited in the letter-box of the department.

"You come as if you had important news, Streek?"

"Judge for yourself, Mr. Ward," and I drew from my pocket the letter with the initials. Mr. Ward took it, glanced at its face, and asked, "What is this?"

"A letter signed only with initials, as you can see"
"And where was it posted?"
"In Morganton, in North Carolina."

"When did you receive it?"
"A receith ago, the thirtienth of June."
"What did you think of it then?"

"That it had been written as a pole."
"And—now—Strock?"
"I think, what you will think, Mr Ward, after
you have studied it."

My chief turned to the letter again and read of carefully. "It is signed with three instals," and he "Yes, Mr. Ward, and those instals belong to the words, "Master of the Woold," in this favarietie."

"Of which this is the original," responded Mr-Ward, taking it up.
"It is quite evident," I urged, "that the two letters

are by the same hand"
"It seems so"
"You see what thrests are made against me, to
protect the Great Evric"

protect the Great Eyric."
"Yes, the threat of death." But Strock, you have had this letter for a month. Why lawe you not shown it one before."
"Because I attached no importance to it. Today, after the letter from the "Gerror," is must be taken.

seriously."
"I agree with you. It appears to me most important. I even hope it may prove the manus of tracking this stronge personage."

ing this stronge personage."
"That is what I also loope, Mr. Ward."
"Only—what connection can possibly exist between the "Terror" and the Great Kyrne?"

"That I do not know: I count even magne..."
"There can be but one exploration," continued
Mr. Ward, "though it is almost madmissible, even

Mr. Wasd, "though it so almost maximisable, or impossible."

"And that is?"

"That the Great Earlie was the sent sclowed by

"That the Great Eyric was the apot selected by the inventor, where he gathered his material."
"That is simpossible" cried I "The what way would be get his material in there? And how get his machine out? After what I have seen, Mr. Ward, your suggestion is impossible."

"Unless, Strode—"
"Unless what?" I demanded.
"Troless the machine of this Master of the World

his also wings, which permit it to take refuge in the Great Eyric." At the succession that the "Terror," which had

At the suggestion that the "Letro", wrete may
searched the doop of the sas, might be capable also
of rivaling the vultures and the cagles, I could not
restrain an expressive shring of incredulity. Neither
bid Mr. Ward himself dwell upon the extravagent

bid Mr. Ward hanself dwell upon the extravagnat hypothesis. He took the two letters and compared them afreds. He examined them under a microscope, especially the signatures, and established their perfect identity. Not only the same hand, but the same

total infinitely. Not only the state mand, that the stiffer per hand written them.

After some morniouts of further reflection, Mr. Ward state? I will keep your letter, Streek. Decadedly, I think, that you are faited to play an unportunit pert in this strange affert—or either in these two affairs. What thread attaches them, I cannot vet use the I can sure the thread cylers. You have

yet see; but I am sure the thread ceitse. You have been connected with the first, and it will not be amprosing it you have a luga part in the second."

"I hope on, the Ward. You through how implicit that the street. That is understood. Now, I can only repeat my former order, bold yourself in readiness to know Washington at a grount's worning."

All that day, the public excludement caused by the

public openium almohatisy distantased issuum aistum. Of courses, was sedificated to de mythingst. Worker could course, as was difficult to the mythingst. Worker could be considered to the course of the course of

the decident of the first the authorities. The transmission and his transmission were not to be bought, And what hangely and merceing terms be had cooked he refused? So be it. He must be treated as enemy of secrety, against whom all means becausified, that he might be decrywed of his power require others. The robs that he had pershed we have also been also become an accordance to the contract of the contract of

arrey; and his ordinenc constituted a perpetual pubble design?

Influenced by these Totas, the government issued the following proclamation:

"Since the communities of the "Totas" has refused to make public his invention, at any price whatever, since the use which he made of his methure con-

stitutes a public menace, against which it is impossible to guard, the said commander of the "Terena" is hereby placed beyond the notection of the law. Any measures taken in the effect to exputue or distription of this meditine will be approved and re-

ne measures taken in the effort to cipture or destroy chier him or his mechine will be approved and reyy worldd" if I was a declaration of war, war to the death d, against this "Master of the World" who thought to thrustou and dairy are entire reston, the American

Before the day was over, various rewards of is

hiding place of this dangerous investor, to suppose who could selected by the country has a dot to anyone who should not be country of him. Such was the stational during the bast forcings for July. All was left to the hazard of ferrine. The moment the outlew respicared he would be several and signaled, and when the characteristic behavior as are supposed, and when the characteristic behavior to arrested. This could not be accomplished when he was in this automobile on head or in this base on the wave. Not he must be selected suppliently shore for

word and the act action monophy to the special who had been active to the special which no other machine could eggs.

I was therefore all after, awriting an order from Mr. Word to start out with my men. But the order the side of the start out with my men But the order that the man of the start out with my men and the man of July approached. The meaning-reconstituted the excitation. They multilated repeated ramons. New closes were contained but all the excitation. They multilated repeated ramons. New closes were contained but all they was more side talk. Telegrams reached the police was more relief talk. Telegrams reached the police into and suffigure the others. The composer research

offered could not help bet lead to accusations, errors, and blunders, made, many of them, in good fasts. One time it would be a cloud of dink, which must of have recutanced the automobile. At another time.

almost any wave on any of America's theusead historepresented the unimarine. In truth, in the executed state of the public imagination, apparations associaus from every side:

At last, on the twenty-minth of July, I roceived a telephone message to come to Mr. Ward on the in-

Start.
Twenty minutes later I was in his cablest.
"You leave m an hour, Streek," eald be.
"Where for?"

"Where for?"
"For Tolode."
"It has been seen?"

"It has been seen?"

"Yes. At Tokedo you will get your final orders."

"In an hour, my men and I will be on the way."

"Good! And Strock, I now give you a formal

rder,"
"What is it, Mr. Ward?"
"To succeed—this time to succeed?"

Worlds Unknown

-By Leland S. Copeland.

A lidlion stars have merged their sheen To form a disk of light Beyond the frield silences

That youd eternal night; Ten milhon years away it looms,

A telescopic aght.

The dimessur was lord of earth.

In Mesonoic days, And nother upon nor man had life When that your steller more

Beyond that wast steam mase.

Beyond the gulfs of time release.

The light that meets our gaze,

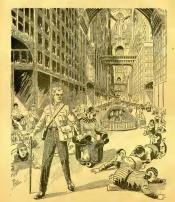
And lost within that universe, Within its miley way, How many worlds around their sum

For countless thinking things like men Now deep in stone or clay.

Their stories, caught in light, have come To us satisfilled to know. The comody and tragedy, The glitt of friend and for,

The glint of friend and for, Within this cryptoc message from A far and long ago.

Merevolt of the pedestrians by David H-Keller M.D.



nest—a law, recome coverant of country, while couples were say, typing while law in constant water to be constant with the country of coupled any same decapting lights makes between by were assessed to manage the country of coupled and constant with the country of the country

"Darin three podestrians anyway !"

A deathly mean and a determined matter of, "Your whole rose will ray for the chanflent, the roundered mother, and the basels in a did by the medical mother, and the basels into all the lattle medication on who was left to the change of the lattle medication on who was left.

pan of humanny.

A young you're mether was walling slowly.

A young you're hadrong be rath use by be band. They were heelt heentrall examples of pole-turn, shough include and dougs from long days spent on hard pormay from Ohio to Arkannas, where the private remains the observed spent of the private remains a private private remains the private remains the private remains the private remains the property of the private remains the private remains the property of the private remains the property of the private remains the property of the private remains the priv

that escape was impossible. She succeeded in pushing her soo to safety in the guiter, and then died instantly beneath the wheels of a skilfully driven car, going at sixty miles an hour.

The hely in the sedon was amonged at the polt and

peaking take
"What was that jar, William?"
"Madam, we have just run over a podestram,"
"Oh, is that all? Well, at least you should be care-

"Oh, is that all? Well, at least you should be ful."
"There is only one way to bit a pedestrian sa

that is to hit him hard."
"Willham is such a careful driver," said the Lady
to her hale daughter. "He just ran over a perkstrinn
and there was only the slightest jur."

It was her cighth birthely and they were going her grandmicher's for the day. Her two strophed legs moved in slow rhythmic movemen It was her mother's pride to say that her lidaughter had never tried to walk. She could the

She looked up.
"Mother" she asked.
"Do pedestrians feel pain

"Why, of course not, Durling," said the mother "They are not like us, in fact some say they are not human beings at all."
"Are they like mon-

"Well, pulsaps higher than apes, but much lower

The machine sped on.
Miles behind a terrorstricken lod by solving on the blending body of his
mother, which he somehow had found strength to
drug to the side of the road. He remained there till
another day downed and then left her and walked
his an halfa loss the forms. He was house.

That day, a deep hattred was formed in his soul,
The world had gone automobile wide. Traffic ceps
had no time for small-bile movements of walkers—
they were a automote to certification—a drawback to
progress—a defining to the development of science.
Northing mattreet in a meal a body last his briens.
Graduality insultners; bad replaced amancle as a

organisms to extraorance and official feet of science. So the mattered in a meal is body but its horons. So that the horons of science of science and the science of science and the science of science and the science of s

person to puer violently against staffs which caused power to be applied wherever the mind of man chetated. All manland was accomplishing their desires by mechanical energy made in small amounts for individual purposes, and in large amounts transnitted over wires as electricity for the use of vast content of prophities.

The sky always had its planes; the lagher levels for the inter-chip expense servee, the lower for individual solution in militari-the roads, all of reinforced connects, serve often one way reads, content by the connects were often one way reads, content by the listone. White part of the world had tiken resulfs to the sleet, the way proportion had been foreed, by modificant development of the sense-circular cannot be tremost on earth.

commons, the successors of Ford had perfected the mailer unified almostitus for use unboots, all true being replaced by curving seconding passages. Men that some to the world in ment boths, which they life only for sleep. Geralandly, parely thereugh necessity and parryly through inclinations, the automatic which used in spect as well as in pipe. Special types were developed for god; children steaded in univour rolled as a modes delitted in rough the respect waters of a Portific resear. Admixed had record to use their Delitic resear. Admixed had record to use their

Sower limbs.

With dissue came atrophy- with atrophy came progressive and definite changes in the shapes of manimal, with these changes came new cameptions of beauty-fermine. All the lappend not in one got

reidently worrying her. beauty-fermine. All this happened not in one generation, nor in ten, when HERE or has in a deferrant energy with a deferrent time. What well suppose to us, the quitar resistion and all houses, if you exhaults in Fife to any ferture and all houses, if you exhaults in Fife to any fer-

comprises in some I. You may hopped at the size that me will be all to see a form earlier, but he do to see the size of the si

ons to walk on the highways; later it became a
crime. Like all changes, this came shouty. Furst
come a law restricting certain roads to automobilities,
then came a law prohibiting petertains from the
use of roads; then a law giving them no liquit ex-

ater it became a felony to do so. Then came the final law providing for the legal or whosever they could be all by at many the course of course to go donly—after word. We come was control to go donly—after the county of the course of the course where an encoulding was, in go to the course of t

There were no pedestrians; that is, almost none. was done by machinery. Here and there, clincing like mountain sheep to inaccessible mountain-scies. remained a few pedestrians who, partly from choice, but mainly from nocessity, had retained the desire to first the laws had no terror for them. Every state had some families who had never crased to be pedestrums. On these the automobilists looked first with amusement and then with slares. No one pedestrians. At once, all over the United States, Hill was hundreds of years away, the spirit of Bunker Hill survived, and the probabilion of walking families retained by using every effort to make automobiling unpleasant and dangerous-nails, sacks, weapons. In the Ozarks, backwoodsmen took delight in healting windshields and puncturing tires high in occasing wassanton and personal the with well-directed rule shots. Others walkerd the roads and defice the automobilists. Had the odds

Challecte and not be part.

Challecte and not be part.

Challecte and not be part of the p

ent mit whether they use found by the Constituout with whether they use found by the Constituion of the sub-security that the sub-security of a few of the and-security that is, an penal to such any one potential and one more 950 years of app, has more a fear moved. A subgroup not recorded may be a few of the constitution of the constitution of the man a subsidiarity to the class of the sub-security of the constitution of the contraction of the constitution of the constitution of the plant for the constitution of the constitution of the plant for the constitution of the constitution of the plant for the constitution of the constitution of the plant for the constitution of the constitution of the plant for the constitution of the constitution of the contraction of the constitution of the constitution of the plant for the constitution of the constitution of the plant for the constitution of the plant for the constitution of the

I is not to be expected that the externations we seem unexpected residents. The was seen unexpected residents. It had been in effect one year residents of the seem of the see

"When it that, Father? They look as we do, only with possible thopes."
"That, my sen, is a family of pedietrions. It was long upon a language of the property and I have of in only facing on a language and in the product of the fath father is before the many mother is defined as bount them. This family was shot in the fath father father when the product of the father when the product of the father when the product of the pr

all deed."

The men thought be was selling the truth to his see. In fact, he prided binself on always being truthful to children. Yet he was wrong. For a few predestriars remained, and their leader, in fact, their wary bridge, was the great-grandon of the little hoy, who had also odd up on the full with harted in his heart.

frequency of climatic condition, envisionment and all writerias of extensive, mas has above been after to exist. With the race of Podestrias It was able to exist. With the race of Podestrias It was compared to the control of the possibility of the control of the c

They had their political organization, their courts of law Justice, based on Blackstone and the Constrution, ruled. Always a Miller ruled; first the little boy with hatted in his barn, grows to membod; then hes son, trained from reliditiond to the sole took of latered of all things mechanical; then the grandson, wis, commun, a dream-brilder; and finally the serval-resudes. Alcalam Miller, prepared by three

gotti abovo for the ultimate reverge.

Archiam Miller was the hereditary president of
the Colony of Polastream shiftin in the Colony
of Polastream shiftin in the Colony
of Polastream shiftin in the Colony
of Polastream shiftin in the Colony
of the Colony

these spics lived in St Louis.

It was a colory with a single amintion—b union of individuals for one purpose only; the children isoped it, the school children spoke it dealy, the young folks whappend it to each other in the mosningle, in the laboratories is was curved on every wall, the

to it, every action of the colony was bent toward

"We will go back"

They were paraside in their latted. Without exception, all of their uncestors had been hunted like wild bease, exterminated without mercy—like virinits. It was not reveauge they durined, but liberty—the right to law as they wished, be go and come as

they globally assumed to these believes the second of the colleges. We have you been you that the second of the colleges are of the colleges are of the colleges of the second of the colleges of the second of the colleges of the second of th

Yet no one was happy because it was found to be a mechanical impossibility to invent an automobile that would travel over one hundred said twenty mikes

an hear and stay on the ordinary ecountry road. The automobilists could not go as fast as they wanted to. Space could not be annihilated, time could not be destroyed. Besides, everyone was took. The six was filled with the dangerous vegoes greented by the combastion of unifies of galdons of gasohae and as sub-

with the diagracian supera generated by the culture to of utilities of glinose of growine and its subfed. The protent four contributing to the taxonfield. The protent four contributing to the taxonsis, knowers, we the greedly related contribute of the contribution of the contribution of the condition of centry fluxually mounter contribudancies of centry fluxually mounter contribution and the seal. A few heart sets of one as them as the story of a 4 God was suffior on the contribution of the contribution of the little search long trust, states of contribution to tread into when they were as long as they went fact that when they were as long as they went taxon of the contribution of the contribution of the control and when they were as long as they went fact that when they were as long as they went fact that when they were as long as they went fact and when they were as long as they went fact and when they were as long as they went fact that when they were as long as they went fact that when they were as long as they went fact that when they were as long as they went fact that when they were the contribution of the contribution of the control and when they were as long as they went fact that we then the contribution of the contribution of the control and when they were as long as they went fact that we have a superties of the contribution of the contribution of the control and when they are control and when they were as long as they went fact that when they are the contribution of the contribution of the control and when they were as long as they went fact the control and when they were as long as they went the control and when they were as long as they went the control and when they were as long as the control and when they were as long as the control and when they were as long as the went long as the control and when they were as long as the con-

peared—it was replaced by the automobile

The automobilists were going somewhere but were
not sure where. The pedestrians were confident of

scarce that were going as Society his modern were conscribed. Critics at each, had created to exist starte generation persistent, following the putting into force of Bryan's thoury that all crime was due to 2 per cent of the projutions and that if these were sugregated and northless, crime would come in one protestion. When Bryant first promigated in this his, at was are critical with some acceptance, but as practical application was belief with delight by certificate was belief.

YET even in this appearently perfect society there were deferrin. Though everyone had sill the necessition of life, it was not true of locuries. In other words, there were still rich men and poor note, and the wealthy still dominated the government and made the lows.

orienter and dominant than the Harlest. This centre as the Harlest This centre as the Harlest was readened by their make of a with of thirds, which is the state of my the harlest and a wind time. Of bring verbereded in the streng parket terminode by a forced or my. In the harlest family had early held a golden offer. They make the harlest family had early held a golden offer. They make the hard that the weaks to can tree feet that the strength of the hard the strength of the hard the strength of the hard that the weaks to can tree feet that the strength of the hard the strength of the hard the strength of the hard that the h

When told that his wife had presented him with daughter he permised his Gods (though he was neering who they were) that he would spend at he an hour a day with the child supervising her care.

For some months nothing unusual was noticed about this little girl baby, though at once all the surses commerced on her ugly legs. Her father simply considered that probably all boby legs were

At the age of one year, the haby tried to stand and take a step. Even this was passed over, so the ped-

stant attendance and make daily written reports. The child grew. There came the time when she was no longer called "baby" but dignified by the name of "Manjarsett." As alse grew, her legs grew. The more she willod, the stronger they become baby way to mechanical locomotion. She screamed

natomobile and never could become reconciled even When at was too late, her father consulted every one who could possibly know anything about the

from neurologists, anatomists, educators, phycholo-cists, students of child behavior and obtained no analysis to the brutal splinting and bandaging of Heisler paid them all for their trouble and bribed go to Hell. He had no idea where this place was, ing it They all left promptly except one who, in addi-

tion to his other vocations, followed supracky as in their sutocars. Heisler was middle zoed, vicorone, real leader of men, gapantic save for his shrunken legs. The other man was old, gray haired save for the child who played happily in the sun-

above of the large bay windows "I thought I told you to go to Hell with the rest," growled the leader of men.
"How can I?" was the mild reply "Those others

did not obey you. They simply autoed out of your home. I am waiting for you to tell me how to en below see level. Our neroplanes have gone some miles toward the stars Mount Everest has been conquered. I read all these journeyings, but nowhere per cent were identified and sterilized. You with "But she is bright mentally, Professor," protested

Heisley, "only seven years old has tested ten years by the Simon Binet Scale If only she would ston I want her to be like other garls. Who will went to marry her? It's positively indecent. Look at her.

"Why, it used to be called 'turning sumersualts."

"It will all make us ridectous if it becomes "Oh, well, with your power you can keep it oulet

but have you studied your family heatory? Do you knowwhat blood strains are in her?" "No. I power was interested. Of course, I bethough a paid well to have a book published about "So you lad a Revolutionary appeared. Where's

HEISLER rang for his private secretary, who antoed in received his cart orders and soon

ton Township. His mother was captured and killed by Indians. They were polestrases of the most intermatricel. That was some hundred years ago, Your Great Grandfather Heisler, had a stater who married a Miller. She is spoken of here on page 330. Let me read it to you.

"'Manuscretta Hender was the only sister of Wile ham Heisler Independent and odd in meny ways, muse of Abraham Miller, who was one of the most eight years old, disappeared and no doubt were debrother, price to her marriage, contained the boast to use them and that she was fortunate in fimily live on them, as God had planted men and women

"There is the secret of this child of yours. She is low the frahion. You say yourself that this little was under to just her in an automobile. It is a clara conce of herefully. If you try to burish the child of the hidde, you will probably full her. The only thing to do so in leave her alone. Left here develops as the today in leave the develops are developed to the sound of the probability is that marker can change the other. Left her use her keys. She probably will clinis trees, ran, yourn, wander where she will? "So that is the way of as," applied felsion. "But here here the read of our family. We can would want to see the control of the

"But the is happy?"
"Yes, it hughter is an mee. But will she he as she grows older? She will be different. How can she have associates? Of course they work apply that extensions low in her case; my position will prevent that. I could even have it repealed. But she will be knowlessed."

she will be lonely—so lonely!"
"Perhaps she will learn to read—then she won't
he lonely."

They both looked at the child
"What is she doing now?" demanded Heisler.

about such things."

"Why, she is hopping. Is not that remarkable?

"Why, she is hopping hop and yet she is doing it.

I never saw a third so it and yet I can dentify it

and give it a name. In Kate Greenway's illustrations, I have seen pictures of children hopping." "Confound the Millers analyse;" growled Heaster After that conversation, Heister engaged the old man, whom sole duty was to investigate the subject

of potentian children and find how they played and tool their logs. Heaven, investigated thus, he was to incrued the lattle gird. The entire was ket as bline. The entire number of a critical specific from an accolumn might have seen an old man atting on the same storying a guidan-harror child pictures from very old books and tableig together about the sense pictures. Then, the child would do things that one pictures. Then, the child would do things that one

skip rope, dance felk dances and jump over a banboo stack supported by two unright bars. Long hours were spent in reading and always the old min would begin by sayling: "Now this is the way they used to do." Cecasionally a party would be given for her and other little girls from the neighboring rish would

Occasionally a party would be given for her and other fittle giths from the neighboring neh would come and spend the day. They were polite—so was abragarent Refester—but the parties were not a success. The company could not move except in their authorars, and they looked on their hastess with curosity and seem. They had nothing in correson with the cursions walking ehild, and these parties always to the contract of the con

lett Margaretta in tears "Why card 1 he like other girlst" she demonded "Why card 1 he like other girlst" she demonded Do you know that girls length at we because I welk? He liste was a good father I'the held to has yow to devese one bour a day to his daughter, and during that time gree of his intelligence as engerly and currently as he did to his teariness in the other hours. The small part of the state of the size of the proline small part of the size of the size of the size of the like small an add with full mental development. other people does not of measure mean that they are plan a proper and the many point and possible from the rest of my, but possible proper appropriate from the rest of my, but possible properties of income people and they all hed kept a possible and to income people and they all hed kept a possible and the possible and the possible and possi

hand, the professor tells me that you can only go about four miles an hour while I can go over one bundred."
"But why should I want to go so fast when I do

"That is just the automating thing. Why don't you want to go? It seems that not only your being you want to go? It seems that not only your being are odd-authorich, buildrudo if your of-entre are ent-odd-authorich, buildrudo if your of-entre are I try to be here in the house or garden every day welling bours I want to go. You do the strangedthings. The professor tells me about it all. There a your low and arrow, for measure I braught you the finest firetures and you never one them, but you the finest firetures and you never one them, but you went of the professor and you never see them.

built a fire out of wood and rogized it and sic it.
You even made him eat some,"
"But it was good, father—much better than the
synthetic food. Even the profusor and the juice
made him fed younger,"
Heister laughed, "You are a savage—outhing

more than a savage.

"But I can read and write!"

"I admit that. Well, go ahead and enjoy youradd. I only wish I could find another savage for

you to play with, but there are no more."

"Are you sure?"

"As much so as I can be. In fact, for the last

first ware my arents have been received the civil-

five years my agents have been recurring the civilized world for a pedestrian colony. There are a few in Sibens and the Tastor Photose, but they are impossible. I would rather have you associate with apes."

"I dream of one, futher," whiapered the girl shyly.

Do dreams ever come true?"
Herster suited: "I result this one will, and now I must harry back to New York. Can I do saything for you?"
"Yes—first some one who can teach me how to

make cardies" Why, what are they?"
"Candles? Why, what are they?"
She ran and beought an old book and read it to
him. It was called, "The Gentle Pirate," and the

She ran and beought an old book and read it to him. It was called, "The Gentle Firste," and the here always read in bed by candle light, "I understand," he finally said as he closed the book. "I remember now that I once read of their

So you want to make some? See the professor and order what you need. Hum-enadks—why, they would be handy at night if the electricity failed, but then it never does." "Oh, father! In some ways you are ignorant,

so rich. "I admit it. I will admit anything and we will find how to make your candles. Shall I send you

"Ob. no. It is so much more fun to shoot thum."

So it curse to pass that Margaretta Heisler reached her seventeesth buthday, tall, strong, agile, brown an enter of ment, a render of books by cardle light. signally would she see the ladies of the neighborhood. She tolerated the servents, the masts and breaskeeper. The love she cave her father she also gave to the old professor, but he had sought her all

There came to her finally the urgo to travel. She were difficulties in the way of such a trip, and no one know these better than her father. The roads were improvible and all of New York was now either streets or houses. There being no pedestratis, there was no need of sidewalks. Besides, even few. Once she was in New York, the city papers

SEVERAL of the office buildings in New York were no stairways but as a safety precaution circular one floor to another elessing up. The higher the the wearly rental. Below, in the canvon and the street, an ozone machine was necessary every few was the absence of flits and mosquitoes; piecous

It was in the newest building in New York and on

office. A steangrapher had been installed and sat at a posseless machine, answering, if need be, the

To this roomy saite one day in June came, by itthe conference. Surprise as well as aparation was parently quiet, but inwardly a southing flares of re-

Oue or two of the men joked with each other. All used a chair; none had seen one save in the Metro-

politim Museum. The autocar had replaced the The chimes in the tower nearly rang out the two o'clock measure. All of the twelve looked at then They had a two-o'clock appointment with this

Then a dove opened and the man walked in. That was the first astonishing thing-and then they marworld at the size and shape of him. There was seem much larger now than the the other men though he was younger than any of them, and had the dead gray-winte pallor of the others.

prayely, almost mechanically, with clear distinct emuscation, he began to speak "I see, gentlemen, that you have all honored me without any one of you the meeting would not be as

"The name of this company is the 'New York Riccircal Co." That is just a name assumed as a most: In reality, there is no company. I am the representative of the nation of Podestrians. In fact, ler. Four penerations ago, as, no distile, you know, hunted Her wild estimals, slenghtered without merce My even-evandfother, Abroham Miller, was killed the other pedestrians in the Osarks. There were no battles, there was no conflict. At that time there States Within a few years there were none-at of those early years are relitten in our histories and You are a cur and you know it or you would not "On, H-! Heisler-you can't binff me may more!" from the world as you know it. Milker his the table with his fige-

"Year lor year we lived on until now we number worked for one purpose and that was the right to return to the world. Our motto for one hundred

"We will an back."

"So I have come to New York and called you into you is a lineal december of a United States Senator who voted for the Podestrian Externament Act, You can readly see the significance of that. You back? We want to come back as perlestrians, to walk in the highway, we want to do it without conpity you. There is no desire to antagonize you;

"WB believe in work-muscle work. No matter what our young people are trained for, they stand machinery, but do not like to one it. The only excu. In several places we use water power to run our grist mills and saw our timbers. - For pleasure we hant, fish, play tennis, swim in our mountain lake. We keep our bodies clean and try to do the abnormal—degenerate I frankly say that such children disappear. We cut ment and venetables in population. The time has come when we must come back into the world. What we desire is a grammee of safety. I will now leave you in con-

He left the room. One of the men rolled over to had disappeared. There followed share discussion marked by temper and hick of logic. One man only knot silent. Heisler sat motionless; so much so that hurled at him. One man sweet at him. Finally

there was selence.
"Well?" questioned Miller.

"Give us time—a week in which to discuss it—to ascertain public opinion," urged one of them. "No," said Heisler, "let us give our answer now." "Oh, of course," sneered one of his bitter opthough it has never been in the newspapers."
"For that," said Heider, "I am yours to set you

One of the men held up his bond for an audience

There are two hundred million of us and two hunis what I think. If this man is their leader, we can judge what the colony is like. They are ignorant mand if we listened to them. I think we should That banks the ice. One after another they sooke. Heisler were hostile, antagonistic and merciless.

"I am going to keep quiet. These men know it all

Miller turned in his swivel chair and leoked out one liked such a place. Under him, in the city streets, noctuse the metropolis with other cities were but urban arteries wherein the antomobiles possed like corpuseles, the auto-trucks proceeded like plasms, Miller feared the city, but he pitied the legless pig-Then he turned again and asked for silence,

"I wasted to make a peaceful adjustment. We rlesire no more bloodshed, no more internecine strife, talk shown me that the podestrian can expect no know and I know that this is no longer a ration where the people rule. You rule. You salest whem you pknes for sensions, for predicts; you same your whip and they dance. That is why I came to you men, instead of making a direct appeal to the I will ask you to sign. It contains a single seate-

"The Prelestrians cannot return."

"When you have all signed this, I will explain to you just what we will do."
"Why eign it?" said the first man, the one seated he crumpled the paper to a tight hall and threw it mader the mble. His conduct was at once followed by applicase. Only Heisler set selli. Miller looked

out the window till all was exict. INALLY he spoke again: "In our colory we have perfected a new elec-

out with smaller machines in limited space and know

restore the energy in any territory where we have Our electricians are waiting for been listening to all this conversance, and I will now give them the signal to throw the switch. The signal as our motto,

'We will come back."

"So that is the signal?" succeed one of the men. "What happened?" "Nothing much," replied Heisler, "at least I see no difference. What was supposed to happen, Abra-"Nothing much," said Miller, "only the destruction of all mankind extent the podestrans. We

can survive. No doubt the city dwellers will die speedly in their artificial bee-byes. Some in the

"Hello, bello?" exclaimed a multi-millionaire. "I feel no different. You are a dreamer of dreams,

Most of the men pressed their starting button and took hold of the steering rod. Not a machine moved. The others startled, tried to leave. Their sum cars were dead. Then one, with a lexitorial curse raised an automatic at Miller and nulled the

trigger. There was a click—and nothing more.

Miler polled out his watch. "It is now 2:40 P. M. The automobilists are bepinning to die. They do not know it yet. When they do, there will be a panie. We cannot give any relief. There are only a few hundred of us and we cannot feed and care for hundreds of millions of please or rame in this building and your autocars are viously you do not care to remein here and equally obviously the elevators are not running. I will call boshood to take female parts. He is one of our most efficient spies. And now we will say goodbye. A century ago you knowingly and willingly

Thereupon he went behind one of the sutocurs and started pushing it towards the doorway. The stenotrousers, took hold of another car. Soon only "Would you mind pushing me over to that

Miller did so. The automobilist looked out curi-

"There are no agroplanes in the sky. There should "No doubt," replied Miller, "they have all planed

down to earth. You san they have no power.
"Then everything has stopped?" "Almost. There is still muscle power. There a how and arrow--also that produced by a metal coil fike the main spring in a watch. You notice your can still produce power-that is just a form of reason why they should not keep on; all other power in destroyed. Do you realize #? There is no elec-

I can bear a murmur from the city. It rises up against a sandy shore. I can bear no other nose, center, trying to find a new home. There is a samet mean? I think I know, but I cannot bear to say

it with words,"
"It means," said Miller, "that below us and around us twenty million people are beginning to die in offire berildings, stores and hornes; in subways, elevatoes and trains; in tubes and ferry boats; on the street, and in the restaurant twenty million necole suddenly realize that they cannot move. No one can calling to each other for help, but even now they cannot know the full extent of the disaster. By to morrow each man will be a primitive animal they will die quickly-before they eat each other for there will be no newspapers, no telephones, no eserver pigeons. It will be months before I can re-

place to place. The sound you hear from the city is the cry of a soul in despair." HEISLER grabbed Miller's hand convalrively.

"No-we stopped it with electricity. There is now no more electricity. I presume our own machines were at once put out of power

"I believe so. Perhops your scientists can invent a remedy. We chi a hundred years ago. We hved. for was equality. You saw how those other men power, they would instantly have destroyed my little colony. . What we did was sissoly done in self-pro-

Heisler tried to light his cigar. The electric lighter one corner, chewing it. "You see your name is Abraham Miller? I be-

fleve we are cousins of some sort. I have a back that tells about at." "I know all about that. Your great-grandfather

and my great-grandmother were brother and sister." "I believe that is what the professor said, except that at that time we did not know about you. What The two men talked on and on. The prorman composed of millions of variants, it blended into

om forgretten God on our side. I still ean see no other way, no other way, but this makes me slek, Heisler; it namestes me. When I was a boy I found a mouse caught in a bern door, almost torn in two I tried to help it and the tortured arrival hit my

though I was justified, I grew deadly sick; I worshed around us are beginning to de. They might have crough We were justified man-we were instr-It does not affect me that way," replied Header,

dyaghter. I have lost interest. In many ways I here and work with my stenographer. I am going suffer. We will take you back with us. With sun-

"Yes, but not for yourself. There are a dozen can tell them that and they will behave you

Presidents and now I become a legless example for

The stenographer had been in New York one month prior to the meeting of Miller and the repreecutatives of the automobilists. During that time, had been absolutely successful in deceiving all he

came in contact with. In his support, dressed as a stenographer, his face perfumed and mainted, and rings on his fingers, he passed unnoticed army the

spy; but he was a men.

He had been trained to the work of a spy. For

first. Abraham Miller had selected him became he BUT for the first time in his hie, he was in a bug city. The first on the floor below employed

love, the new love between women. The spy did than once the pedestrian had been on the point of

In such cases where a man falls in love with a woman the explanation is hard to find. It is siwoman with columns of ivery and knees of alslived in a machine. It was equally pathological that she should love a woman. Each was sick-soulsick, and each to continue the intimusy deceived the stenographer felt a deep desire to save this legless

So in soft shirt and knee trousers he cast a glance cars, the useless elevators, the silent telephones. He because of this and that, but that she would live because of his love for her. All he asked was the ligal right to care for her, to protect her. They would go seenswhere and live, out in the country

He would roll her around the meadows. She could have greec, haby grees that would come to her chair when she cried, "Weete, weste." The legless woman listened What pallor there

The legions woman astened. What passer mere tonge. She listened and looked at him, a man, a man with legs, walking. He said he loved her, but the person she had loved was a woman, a woman She laughed hysterically, said she would marry him, go wherever he wanted her to go, and then

she classed him to her and knowd him full on the vens, and be died, bleeding mto her mouth, and the

carazine. She died some days later from hunger. the only thild, the remaining and sole branch of his She was a sign of ruture's revolt, an indication of

On that hundredth floor keys of water, stores of made to sustain hife in the midst of death. Heisler water, a road map, and a stout club in his great, west dissiness. What Maller framed was the obstruction of the entire passage at some point by a had managed to reach the plane had been able to dracend. He caused now and then at this floor or

Here it was even worse than he expected. On lessed from the Ozark valley-on that very second million people were in automobiles or autorars at in sliops; some were enting in restaurants, loafing at their clubs; others were going somewhere. Sud-There was no communication save within the limits were meless. Every autocar stopped; every automobile crased to move. Each man and woman was Transportation died and no one knew it had hap see or the ear could hear, because communication automobilist stayed where he happened to be at that

THEN slowly as the thought came to them that movement was impossible, there came fear and with fear, panic. But it was a new kind of panic. ment of large numbers of people in the same direction, flecing from a real or an imaginary fear. This panic was motionless and for a day the average

New Yorker, while gupped with fear, crying with iright, remained within his car. Then came masssettrals dragging legicas bodies forward by agest mob, but a slow, convulsive, worm-like panic. Word was passed from one to another in hourse whitepermgs that the city was a place of death, would beon food. While no one lones what had honored country audidenly became more than long cement roads between sam-boards. It was a place where food could be procured and water. The city had become dry. The mammoth pump throwing milhors of callons of water to a carcless population had ceased to pemp. There was no more water save in

So, on the second day began the flight from New York-a flishe of empites, not of eagles; a passage of burnanty shoped five war-mained soldiers. There speed was not uniform, but the fastest could only crawl less than a mile an hour. Philosophers would thus tortured, would quictly wast the end, but these moving. The bridges were the first spaces to show ally, by noon of the second day, these river highways were black with people crawling to get away from tion, stasis, and with stasis, simply a writhing withand layer a third layer. A dozen streets led to each bridge but each bridge was only as wide as a street, Gradually the outer rows of the upper layer legan falling into the rown beneath. Ultimately many fore they died they started to bite each other With-Destruments and cubic became filled with backer als most to the ceiling. There was food here but no those who remained alive and able to est.

Within twenty-four hours mankind had lost ats religion, its humanity, its high ideals. Every one tried to keen himself after own though by doing so her potients, giving them food till she with them mother gave birth to a child Deserted by everyone she placed the child to her breast and kent it there till hunger pulled down her lifeless arms.

It was into this world of hornor that Miller wild, as he emerged from the other binding. He had jo wided himself with a soon club but hardly any of travaling authoribitats anched him. So he walls shouly over to Pitth Avenus and then headed man into a be wided the proyed, though on the first do the saw but little of what he was to see later on. Ou and on he went till be came to water a

he saw both fittle of what he was to see later on.
On and on he were full he came to water an
that he sawan and than again he went on and it
might he was out in the country where he cassal of
proje continuously. Here he niet na occasional and
sits, who was samply annoyed at his matchine best
ing down. No one in the country realized at fit
what had really happened, an one were fully realize
he fore he died in his farm hence, you what it is
mount. It was only the clay describes that love
mount. It was only the clay describes that love

and they will the constructions early from the gree from the days defler row early from the gree and started spin, after correctly executing the reatings. He would be devery, construit, messessati, messes above, to share his provisions with those starting early above, to share his provisions with those starting early feel her, that yellockettin pirit, discensing her befer her, that yellockettin pirit, discensing her beservance, within an iron lostee thirty mice long. I was now the close of the second day of his well-

For some suffex he had seen no one: The sun two in the facest of olds threw function behaviors over Down the rood, ever marring has some a stonger armson. There were three hences for the costs office, water fastered sensely het channely. On the third water fastered sensely het channely. On the third the control of the control of the channels, and the control had been seen to be a superior of the channels of the heads obstituting, even in steep, the oldes of the chanle of the channel of the channels of the channels of the lowery in the strength, stringer with even page along the centure road. On her beak was straig a lower than the channels of the channels of the channels of the carried a heavy cost,. See without on fearlestly,

van came near him. Then it stopped in front of him.

"Well," said the woman, and her voice blonded he curiously with the smill shidows and the shickering leaves.

"Well Who are you and why do you block our you, you ye?"

wey?"
Why, I am Alraham Miller and you are Margaretta Heisler. I am hanting for you. Your father is safe and he sent are for you."

And you are a posseries?

"Just as truly as you are?" and so on and on

The prediction woke from his map. He looked
down on the young man and woman, standing, talksig, already forgetting that there was anything else
in the world.

in the world.

"Now, that is the woy it was in the old days,"
mused the processor to binueld.

It was a Sunday afternoon some hundred years

Boof. A 1310cf sind life must not were agrancing as the Minsouri of Nortical Sciences in the reconsists with the state of the state of

family. Fisally they come to a large wispon, on incetuber wheels, but there was no shaft and an way that horses or own could be harnessed to it. In the wages on a saint were run, women and fittle differes. The loy looked at them carriculy and pulled at his folder's dever. What are that wagen and those "Look, daddy, that are that wagen and those targey people without Jegs. What does g. mean."

furary people without legs. What does it mean?"
That my sen is a family of automobilists," are
there said them be pained and give has see the little
talk that all pedestrian fathers are required by law
to give in their children.

Children (c)

THE REST

The Metal Emperor

Author of "The Moon Pool," "The Face in the Abyss," etc.

If you were armsed and thrilled by "The Moon Pool," you will find that "The Meeal Emperor", far surpasses even the former wonderful story.

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One of the most absorbing and thrilling tales that has ever been permed. This story runs scribbly

o he tremendous,

BARON MÜNCHHAUSEN'S SCIENTIFIC ADVENTURES

by Hugo Gernsback,



L. I Make a Wireless Acquaintance

The best of the control of the contr

my names, for reason nest known to himself, unight me to be a worthspire of truth, no matter how painfull timight power. I am glod to say that my father's consciously, attered as instead, the present of truth size. I have grown up has become a mann with me; so much so, in fact, that even a simple exagperation, used by my best of friends, will direa me

gereinen, made by my best of friends, will draws me frantic.

The average layman will best understand my semi-what poculiar whose of mend, as far as truth is concerned, if I say that truth to me a nothing less and nothing more than a hobby—a sort of spect,

cond unthing more than the body as in tenting we in you was. I collect truthfield statistics as one might collect stamps. Partecishry beautiful and original examples of truth are written down by me on large white cards. These cards are all indexed and crassified and kept, werecastly fidel in card files, and crassified and kept, were cardy fidel in card files, truths is given full credit on those cards, so their it is easy to find years later who made this or that

pessing, that nino-tenths of the cards bear my own men an author of original and surprising truths. Of course, since truth is a science with ms. I realize that such a statement campit cause much surprise;

whath time with itanments like the above were it not so visibly amportant to fully acquaint you with my clearacter. For this reason I also find it necessary to give you the fellaway reference; say of the mivulosals and unsttutions mentioned below will be very glad to weach for my integrity, honesty, and wenchy.* I could give an almost rigine like.

Hiram O'Rourke, Jauyer, Yankion, Mass
(The above defended me in three breach of
promise suits, as well as eight perjury charges of
which I was accused.)

Patrock Famman, indicenser, Yankion, Mass.

Patrick Flanggan, jeffereper, Ysakton, Mass. Jerumah Addkoods, jaffsreper, Coffeeville, Me. Milo Whifishren, julksuper, Lyreville, Vt. (The heter know me intimately for only five

*On account of the numerous locuries received concerning me, I suggest that you enclose a Z-ct. stemp for your reply International conf., ranking, Massa. Now the I have thoroughly candidated my standing I will protect, and I subterely hope and trust that no one will question any statements I may be called to make in that pages. They are the fair, was marked trush as each and every case. If called upon, I will their fully sweet to the truth of any only statements, before a notary. (I am a notary

asymptoty resident of my bross town brows. To our ablenges most point in the Size. Town the carly length size as the Town the carly length size and the length size of the conduction of the con

by Immensel's) of these self wathout the expenses ended. My cribes contables carely, so that the founded that would certainly be for lines expensive who made this or that and perhaps nece substitutory.

It was will met think: This acquement, quite legeral so it was, for the time of the contained of the contai

wenter is less in the Distriction Experiences, a suggest any possibility of the Societies of Possibility of Pos

or med to me company, as well as the control of the

as nelly to published thereby in a, the American public local.

calls me in greened thing country of these peets, anothis lower in known care enough For the benefit of myyeang readers who never asse one of my wireless mouse traps, let me give a brief description.

Each trap way constructed the a spullered cage.

East trap was constructed like a squirrel eage. The opening to the cape was insidenced in such a manner that a mouse or rat could get into it, but once in, could not of its own accord get out. Now, as anyone knows nite and rats are exceedingly feed

anyone knows mine and rote are exceedingly fond of revolving cages. They will travel for miles to get into one. It has a most powerful fascination for

The shaft of the cage was connected to a lattle as the mouse or rat started the cage revolving. The book and see where the call originated. This took the trap and return to handquarters, giving a full igention report of the case. To the maxperienced, my system of killing the rodests might appear rather breasingly and expensive but this is just where

Not everybody likes to kill rats and mice. This fess to know, although I have some vague opinions

But I digress from my story As I said before, I It is exceedingly well appointed and contains instrua chair near by, dreaming of some long departed ornside, and so forth. Thus I could set the scene tension, as the editor calls it technically

As a plain matter of fact, however, the aerial wires Then the log fire, too, could not very well have east formatic studews, or any other studews for that then made me jump clean out of my chair Nor could the cut have surred very readily on the chair and he could not have purred even if he had taken

Firstly, it was not a he; it was a she near by, simply became there was only one chair in explained above that my people were engaged in castus tarming. There are no trees on such a form,

NOW that you understand the second miningle will proceed. It was after 12 o'clock miningle telefresh page. I had been flirtung with my vario-seleclone words ooth 96,000 meters, if my memory down to the wave length of FL.—that's the Peris Eaffel Tower Station Sudferly, a very faint, but execedingly high pitched screaming sound, name anearthly sound could be. I heard, in a faunt but

"Aller, Vonèten, Mass-80,000 maters" This sentence was repeated several times. I lost no time in "Step shoy! This is Alier of Yankton, who's Almost assigntly it came "It is L. Diemovrous Karl Priedrich, Boron

At that I almost swallowed my pipe, but just the "You conformed him, soon your joking," I velled quick about it, for I am going to bed in a few

"My son," it came back in sepalchral tones, "I am sured I expected you to doubt my identity. Howwill find it to be a clear night, with a ball full moon in the sky. Take your watch along and observe the moon carefully. Precisely at 1 a m. I will alluminate the dark half pertion of the moon with a red phosphorescence. I will do this three times beginning at a ro, each Elemination to lost five seconds, with a

down the scale, became feinter and fainter-there I must have sat dambfounded for at least a minute

moving them back and forth before my eyes, but I

wasn't certain then that I was regular. So I took a pin lying nearby and shared it into my diagh. If amous been that I was really awake. I wanted to think, but I had to hough entityle. Why, the thing was preposterous. Some peacheal reals assume joker, no doubt, who tried to get me on the real and then afterward made me the languing sock of and then afterward made me the languing sock of

"Good stunt! Rather novel idea, bit, but!.

But thes sepulching, extract vertee, that distinct socould fit, pocultur intonaisin ... could fit ... !"

My cyes fell on the clock before me It was
12.55. At that very morount my phones emitted a
boad cracking somet, fee "stame" before a thunderstorma. As I looked up, wondering, the recoverstorma has I looked up, wondering, the recovers-

boal cracking sound, fee "stanc" before a thansfersorma. As I looked un, wendering, the recovers suddenly become enveloped in a scarlet phosphorescence, glowing softly file the light in all X-ray tube.

I leave now that my hast must have stood up at

I know now this my hase must have steed up at the sight of this uncarnly plentomenous. I recollect that I grabbed my cap and ran up to stame, knock of the company Mechanically I poiled out my wards. It was 12-50 in Mechanically I poiled out my wards. It was 12-50 in a beautifully clear sky, in which the starts sparkled with unsuand beaffurning.

The moon was half full, the dusk hall being jet black and unbringusahalis from the black sky. A clock oparby stated to strike I o'clock. The sound was still whomang in the air when I witnessed a most rumakable phenomon. The dark portion of the moon was sublicinfy simply literatured with the same scaller phosphoroscene which I had seen only a iree seconds earther around my receivers.

It second to not as of them, were a gentre second to not as of them, were a gentre secondition thanked on the bright wise of the moon, secondition thanked on the dark side. The first of \$10 km or \$10 km or

10 and it reappeared, going through the identical motions for the third and hot time. For a few seconds I seed fascingted, probably with my mouth wide open. Like one in a trance, I went down to the radio and I still remember that my tenth datatired valuetity and that I had a cold.

chill, which shock me from head to foot, while I adjusted the 'places over my head.

I had scarcely finished, when the high petched screaming notated was heard again, and in a few sec-

It may scarcely timisted, when the high yetches creaming sound was beard again, and in a few sec stells the voice with the graveyard tone spoke one more:

"If the property is the control of the property of the control of the contro

"I truet, my boy, that you will not again doubt Baren Münchhersen's word," Here I could distinguish a low cluedte "But tell me, how did you like my little exhibition?"
"Why, your excellency," I summered into the transmitter before me, "I really had no side of offending you before, the whole thing somed so impossible to me that you can breadly thine me for doubling you. However, after seeing your wonderted than frawever, after seeing your wonderted than frawever, after seeing your wonderted than the seeing than the seeing that the seeing will swear by it. But would you be so limit as in anwest the burning question whole is uppermost in my must just row! And I not currect in my assumption that your evolutionary was been in Himover, Germany, and "Most assuredly, my boy, you have stated the sixts currectly. As you may, I was burned in 1979, but if a

in IPDs and was harded in IPD's in the some beautify. When it is also provided in the IPD of the IPDs and IPDs and IPD of the IPD of

"Measure in the Case and First, the Manhaelman and American and Services and Services, and Services a

and the prototoged rest, instead of again my body, rolly mote me younger. Altosoph the threally 1 and to-day almost 250 years old, I feel no older than 30 You see what a good rest dock? The next threat lence was when I finally wide up and second short 10 times. I was still on my bed in my ceret team? "You sak how that can be possible. Simplisty netal! Colly Fets and I know of the secret room. Nowlooply, the enthaline, when he become solve the secret with the contract of the contract of the solve tails of the prototogram of the secret room.

he really del not know say near than arguer delse

"As I found out afferward, this is what happened?

For the really del not know have been a real to be bristly await in lock up the heavy out done. But the door not have the really dear the door to release from the manyord that which he was inside the say that the real that

1064

This top, back. I said I we've a trying to some part of the New A commutate I could set on the part of the New A commutate I could set on the part of the New A commutate I could set on the said and the language as best I specially the said of the New A could set of the New A

in my life—that I fainted doed away; the shock was too great.

"But your time is limited, my dear boy, so I will make the steey sheet. Suffice ut to say that you as soon as I cure to, I went over to the Caty Hall and explained the whole miliar to the Herr Borgermetrier over unyor. I had no trouble in proving my dem-

room. He floot and fined ne and instead that the town of Hamore model give a fixing citeterate in one of Hamore model give a fixing citeterate in my hants. This, however, I declined modeley, have again the course of the former, be also us that, she are home and entone were shift in the process of Squideters, as I and applicate to leave, we like I filled my early and the process of squides and the contract of the sale could prove my decrity without shorth. I should be also in where you can easily worth in leave 27 are mingrings as to my political officence which I, are mingrings as to my political officence which I, the

"But Your Excellency," I shouted back isto my transmitter broadbeedy," wat 1; you please explain how you come to be on each an ordinality place as four three is certainly no introductor on the moon and the temperature is below zoro..."
"I would globy tell you all this too, but it takes time to explain these things," the sound came back very work and driam," was a 1 and below, my revery work and others, "but as I and below, my there is benervey right at I by m, terrostrai time, I will gladly subtry your curously. Good night?"

H. How Muenchhausen and the Allies Took Berlin

GOODERS (see the case and only the term of the first medic adjusted that will be first one of the first medic adjusted that will be first one of the second of the case of the

tim weit. Mf Minchinson, They did not wax enthmassite as the story proceeded, Instant, when I funished, my father sock a deep breath, gave me a queer look and tupop this forthcard with his indiperent look and tupop this forthcard with the corp.

My younger breaker same to the time of "Apple-Mazzon friese is Novembry!"

"When the Nots are petiting rips in Septimethous", in My younger breaker same to the time of "Apple-Mazzon friese is Novembry!"

"When the Nots are petiting rips in Septimethous", in My dock now me them as a missiant Bakern doc-

My edder brother remerical casually that he had read not so long ago about an emissual Eastern doctor who found that strong radio waves had the peculiar peoperty of profuting little explosions inside of the brain. A coherer action, as it were. This, he said, produced what the doctor termed a "artreless bearinstrom?"

"A rather dangerous disease, closely resembling hydrophobis," my brother remarked, before attacking his stow

The rest of my family all made similar intelligent currents, and as the case proved hepdass, I keys operated and offenders.

That evening, however, abortly before II o'clock, I commonly the property of the common of the province of the common of the common of the a radio taleglone. Beader, these headers were cara radio taleglone. Beader, these headers were cara radio taleglone. Beader, these headers were cara radio taleglone. Beader, these headers were cartally a recommendation of the common of the common of the senting of the control of the property for lines to the most remediate document even to the most remediate document even to addition. "The clock that brindly fastial artising the circumbin hour, when the clock on the president and posterior of the common of the common of the common of the crossing that the common of the common of the comtant was a common of the common of the comtant that the common of the common of the comtant that the common of the common of the comtant that the common of the common of the comtant that the common of the common of the comtant that the common of the common of the comtant that the common of the common of the comtant that the common of the common of the comtant that the common of the common of the comtant that the common of the common of the comtant that the common of the common of the comtant that the common of the common of the comtant that the common of the common of the comtant that the common of the common of the common of the comtant that the common of the common of the common of the comtant that the common of the common o

seconds little disagrantines were violated powerfully into our receivers." he sold in his sepulched "Good evening, my son," he sold in his sepulched that has night's experience has not clisturised year too

The Marcel to rejys that I was dring tabley, but I found it officials to personal, our deadling that I found it officials to personal our deadling to the I found it of the I found it is official to personal our tables to little. At this Minnehmene begins have deadly to the low deadly the law of the I found to the I found it is official to the I found it is of the A found it is official to the I found it is official to I found it is official



that our conversation was to be resumed after the "Yes, indeed, my dear boy," it came back in ea-

"performance"
We thereupon repaired to the roof of the house,

everytody leyed to the highest excitoment. I will not up time lengthy details; reffice in to sit that, true to his word, or exactly \$13.00 pm. Mistod hauses awayed the dark part of the micros's surfain with an immonse what do a green phospharescene similar to the excluding in the algows. Id'm or ungite before. If anything, the light shaft was mot powerful; this, however, might have been due to the earth's atmosphere being desere than on the previous night.

I used not go to the treathe of expositing to every one of true jurisity was therecaply, converse All were siterat and non-struck, and all were as read as I was to believe unything that Macellanium night says and I among you I was thoroughly convinced. After the exhibition, we reamed our reads is all rudio room, and I ampgested that my brether all strongraphic much see the true properties of the New York Theory for the year.

If may add, herefore, that all conventions belating and herefore, that all conventions todail publish hereafter, are excelly as atted, taken from my brother's stencorphise reports. The original noise are open to anyone who doubt their truth. After we were all scatted again and the excitement had cocked down semi-what, I started my generation, trued to & BADO motters were length, and apake into couraging issues; "now I suppose I will be homharded with "de-centimeter" questions for the rest of the evening! What? Let it be known, therefore, that Baron Munchheusen is, as usual, ready for all emergencies. Pray, proceed?"
"Think you, indeed," I responded, gratefully;

"you are taking a toke on my mino, to I tectomy have a member of questions to ask you. My first question, most naturally, is, "How came you to select me to talk to?"
"For two reasons: First, I know you to be a trath-

ful individual, just as I am, for funcd and known to be so in your country. The second reason is that I could bear your redo servals right here so, the cody one with when I might consers so earth My judgment, as usual, proved correct."

"Thesis your for the compliant," I replied. "Now for my most important questions." If my on earth The Barron hereful or my most important questions." If my on earth The Barron hereful or my full that my pun, and pro-

"That's a rather long-winded story, but I will try to tell you, "As I said hat night, when I came back to life, I

found myself in my old accret room. After my wait to the Mayor, I returned to this room and protected to remove my treasure of 10,000 gold doosts, which I had intended to take with me on my contemplated serrel flight 110 wars and. It seems that instinct

prompted me to excharge this currency for paper money at a local bank that very day. A locky thing naturally think that after a lapse of 100 years al-

let, under my pillow." "But, your Excellency," I broke in, "did you not say a minute ago that there were but 10,000 docume?"

realized a great deal more.

"Well the next morning, I was awakened by a fearful racket. It seems that word had proveled around that I cause back to him and my continuous sall or lobes.' Then someone velled for a speech, to

"It was sudeed a stronge cortege, and you will September the 30th, 1907. The town was deceased strange things I met at every hend. As usual my well-known versagility carried me through everything successfully, and it took me less than a week

"There was only one point on which I remained obdurate. This was my attire. I refused to clothe myself in modern clothes. I refused to put my beovergrown sleeves which you call trousers, nor could ped hair, which destroys the individuality of atan I confess I had considerable difficulty in finding a

"Alas! my trumoh was short lived. I have already told you, that before I began my century-long against the then retraine authorities. You would

In Germany, a political offence is worse than a thou-To make a peinful story short, one nice suturns morning, I was awakened roughly with this pleasure

"Tarrest you in the muse of the King," Know-

"I was forced to chross in a hurry, and before I political wrongs, committed 110 years are. So does Prassis treat its famous men! Lucky for me that I carried my money in the folds of my high boots,

the night, some 30 moded young men, all admirers keepers and attendants, and I was put in a large less right. I was quickly conducted to a small town,

where I lived in disguse for some weeks. "Subsequently, I made my way to the Dutch from-

patent lows. I petented none of my inventions. 46 T HR outbreak of the great war of 1914 found me in the midst of the study of several new in-

less, I welcomed the war, with a glad beart. Here at last was my long bopod for chance to get even with

"The war had not been in progress for two days when I received an urgent call from my friend Presi-

me and potted me affectionately on the back. I could see by the expression on their faces that some "'Mauricar le Barou,' the President becan in a

becomes like morney 'from our post acquaistance i know you to be on our side, destrite the fact that you

"Yes, Mossicur le Prindest! I replied fervently,

with the tyrant Prussen? "'Trits Street the President replied, gratified "I will have you aworn at at moon to-day. As I know

the benefit of our great Republic. Any assurance which you might require will be given to you by the Government, and you will co-operate with General

""The French General Staff has already decided to invade Germany, by way of Alsace, in order to

prove to be, if it my outson it was essential to me at the front. This, President Poissaré premised

'are results and victories over the enemy. France is

For several hours Joffre and I discussed various

quanted him with some of my revolutionary plans of

You know, of course, of the French invasion

file were equipped with a similar device, and, instead

rifle at a rather close range and were not supposed to penetrate the bodies of the enemy. Izstead, the extenders had a short rubber nose which, mon striking, actuated a trigger, and this in turn opened the forward end of the cylindes, releasing the gas

ward, as prisoners. In a single day we thus captured

"After the first risk, we drove them hade to their key began shelling the trenches with my bombs; these, on striking the ground, liberated the compressed chloroform with disastrous results to the enemy. We literally drenched the Germans with laughing gas and chloroform with which to capture

"Thus we fought our way to Milhamen, which we soon occupied triumphantly. I have no doubt but but itse then Joffre got unto trouble in Belgium and hands of a young General, whom I thought capable

But Germany had not included Münchhausen in

her plans of invasion The great German General Von Klock was but Why he did not take Paris at that time and why he retreated so ravsteriously and with so much haste deep mystery to many people for a long time. The could not be stopped by ordinary messe, so I adopted

"As is well known, France had been poorly pre-pared for the war. While there were unitrated stores of nowder and gan-cotton, the actiflery was sadly deficient in shells and our soldiers lucked bulcarrenders, which, instead of having bullets at their "From the minute these 'Sakica' (as they were gas cylinders. These cylinders were shot from the affectionately called by the French army) came into

use, the German nelvance bad come to an end. We simply shot salt at the Germans.
"You may lough at this send salt how it could possibly have stopped them, but the answer is as simple

"You may lugh at this and ask how it could posally have stopped their, but the inswer is as simple as it is surprising. The rook salt, when shot from a rifle or gun, had not enough pierong power to penetrate the bodies of the enemy, but it want easily

lown through the

"If you have ever had a salty solution applied to an eyes would spet will approach what happened when I began pumping rock salt suto the Important German army. No source had a soldier here side than he would these up both hands and begin to switch harmed from only, when sale will well with such a sold the salt of the salt of the salt of the Chiefes or no orders from his officers, Hos, would seatth himself for dour life to get some reflet from the Gertal Rehnig. Finding that this did not being the dearful Rehnig. Finding that this did not being the dearful Rehnig. Finding that this did not being the dearful Rehnig. Finding that this did not being

"By the time, our guillars Permitmen or Breisis were upon them and they were made prisoners in less time than it have to describe it. It was several days before the Certimes General Soulf got once my latest device but their they promptly set out to decimate me. One morning I received a report that my rock sait timings an longer sated in the usual search timesters when the I. Intends, they threatment to drive us back. That afternoon we cought a few Gentinasa and the mystry was selected.

able toxy deman deneral Salat had ordered exchisolate to wear TWO uniforms, one put on top of the other! Our rock salt charges could easily peartrate one uniform, but not two! Therefore I was formed to abondur. my "Salate," and I mean asse-

"In a few days I was back to the from with a brand-new device." I am proof to say, that of ackness, this coe was probably the most effective. With its help, we experted to less than 31.596 Certains in 1866 than one week. Presudes Promaré personally actached the cross of the Légioux d'houseur our phreast, with the official thanks of the Republic.

to my breast, with the official thanks of the Republic. I am immensely percoil of it to-day.

"As you will have noticed, all my own devices of modern warfare are exceedingly himsen. If I can possibly awoult it, I do not allow blood to be shed. I I

befieve in taking the enemy alive
"My well-known success, the Hasson Self-binds
illustrates this point

illustrates this point
"You are, of course, nequainted with the selfbinder as used in harvesting. You know how the machine bales the wheat, putting a struct cord around the circumsteness of the bundle, and helding the

stake securely together.

This is the primityle used in my Human Soff, bander, it is simplicity used and worke as followed to the state of the state

cannon 150 motors detaut. Then the two pass were adoptant in acut a manner that the colle was showed that; the cannons themselves were leveled nearly possible to the ground. When the cannonal was passible to the ground When the cannonal was made and the collection of the collection

ready heard over a distrace of 35 miles. It was awe-inspiring
"Have you ever, as a child swang a cord with a same at one read? If you have, you will remember how the string barg' (under and higher or pitch as you increased its speed. So it was with the steel earlier, only the round was increased in the billion.

times over that of your string. It went somewhat blie this.

WHITEEREEEE monotoning
— The work helder not ploud that way through a
few down makine, which the colds, extring the form
and the state of the cold of

retreat of the Marra, the Germana dag themselves into their famous trender. The arrawer is that this was the only means of escape from my human haker. As soon as they had found that they could not such at us over the open termin, they wont and their trunches, which auturally put my self-binder here deconsist or out of humans as American one lead

ris some a tay for our terms, covid not cond to the overall new covid not cond to the our termin, they word and their termines, which admirally put my self-interfeave at the original of saying.

"This put me at my wals' (nol—but not for very leng. At the ead of Cxtoder, 1914, when all efforts to out the Germans from their trenches had falled, I went to see Georeal Jeffers and maid to him.

The Markas are row eposling until the first own for the Markas are row eposling until the first end first the German. Why not take 2000 picked are who know have to die and men and order thems to half a few repartie turnels right under the German trends; correlating in some reverse areas behind the German trends; correlating the general and, while half our own would full into the country's back, the other half would be well on the road to Bertin's Simple.

"General Joffre's enthusiasm over my plan knew no bosnds. This otherwise aftent man threw has arms around my neck and embraced me, while tours of president was deep his works change. We show said his Cabent, General Sir John Fier Bettish army, as well as King Albert, of t army, were even more enthusiastic than

been, and a vote was passed innovdistely authorizing use to go shead with the work.
"So cattiously did we proceed, that no German upp ever got wind of the great scheme. No suspicious character was allowed to come within 10 miles of the

charactery was allowed to come within 10 miles turned opening and, is the lattice were country control under large valenced sheets, amphanes of country energy superced what was gauge on homeast. There were four large turneds all sold. The firstend at a post, and the properties of the General States of the

across constitution from the property of the constitution of the c

everything was tabled on the gornel entry. A small opening was their overlithy mode at the 2-5 million of the control of the c

By sight we were informed that the other half of our legrous which were to full time the bade of the county had fuled to find a single German solder to the county had been as the county of the county between the county of the county of the county between the county of the county of the county for the county of the county of the county of the forman retroused. Joilte and I startedly remove that the Germans had held their western preaches single by belief, while their real surpy, consisting of several realized soldiers had been threen against the Konsaure to held the plate back trum East Preach

"We therefore pressed forward with great spear using Germany's wonderful strategic radicold system for the main advance

the Rine at Cologne, Kebiene and Mayener. On the Rine at Cologne, Kebiene and Mayener and the Veer, and on Relmany 20 we are the Mayer and the Relmany 20 we are as almost too good to be true, but move work by wheat of us. Our museus was only half filled. We had not as yet conjugated the multi German and Austrian atmost, which we know to be on the content frontier; and no structer and to the content frontier; and no structer and to the content frontier; and no structer and to the field. Accordingly we began precorning forward again, when

we were dealt a most terrible blow.
"We received the awful intelligence from our

the conquered territory) that one and one-half milhon Germans were tushing on us with forced marches from France?

"We were dumbfounded. Was it a trick or a hoax?

"Also, it was neither. I will not hore you to

"Alas, it was neither. I will not hore you to death with a most unfortunate, heart-reading tale. This is what happened:

This is what largered!

"Some German had hit upon the same idea as I had, but moted of boring four tumols they bored two. That was the only difference! While we thought we emerged beliefs their backs, they thought hey were doing the same thing in reference to us By a stranger consolitors they marched out of their

they were doing the same thing in reference to us By a strange controllence they married out of their tunnels during the same inglit that we marched out of cars and, saleh are captured Berlin, they captured Pows and their Berlinaus! "Not finding one armies (which they thought had retrusted into the interior), they feared a track and which their field that care would be their third or ar-

army stationed along the Rhine. Then they knew the truth.
"A currous state of affairs had arisen in this teruble mix-up:
"We hold Germany and a part of Assiria, maile

the Germann belf monly off of Presser. Wither of a had guard my advantage, as we called a true and agreed to trade back our present trenches for our former ones, while they agreed to take back their. "For this reasen Mirch I, 1915, found us m excet-ly the stem position we had left or Perlemay I, 1935, with the difference that for two days the Nation had been in Paris, when Jeffer and I take been in Paris, when Jeffer and I thought a least to take myself out of the way, which I do!

B ARON MUNCHHAUSEN took a long breath "This is certainly a nost remarkable story, but, my dear Baron, how so it possible that we have never beard a single word about this remarkans these of

about it, to the bost of any knowledge. How var you cupture that "boy," Murchinamen replied wearly, ""widently you were not in Europe during the war. The explanation lies in the one word. Cencochip! The Alans, while marching on Berlin, allowed to not be a superior of the property of the control of the control of the words. The Alans, while marching on Berlin, allowed to the Alans, while marching the superior of the control of the

"But, year Excellency," I broke in, "how could that have helped yea?" Whale you advanced from town to town in Germany, the German certainly must have had plonty of time to send word shead by telegonal to their armises it the Ressayan forecier that the Alies were advancing on Berlin. This doesn't look right, somethese.

Baron Musthinson chiedded softly for some time before he reploid.

"Ah, my boy, I kiner you would ask this, so I sopit usual the last. The fallner of the Germans in the fast to recent eases of our intradion was entirely due to a beffine rose of one; introde our long trivity and a selfment rose of one; introde our long trivity and the selfment of the selftic cases, that one was the simplest of them. If. Redulants samplest I must laught every time I thank

"You see, when the Allies emerged from the for-

ests that night they were all of them, down to the

hat solder, allord in German surjectus?"
"As large bothes of German soldness were thrown back and forward over the great German refered system so often during the way, to one chough anything of our wassless, this long in German at the while; as a mainter of time, zero 90 per cent of the while; as a mainter of time, zero 90 per cent of the instance of the second of the second Germany and Assirva soils are never but for our per person, and the second of the second Germany and Assirva soils are never but on the second german and german and the second german and german

in our own trenches in northern France and Flonders."

Here Münchlumen indulged in an uproarson

The four-ray which we measurated had to fee me that we did not exceed both to like them. Indition the clienters found out during our photons on would have been powerful, and the contract which the mountainty were partially small compared with the mousest arrange would have been powerful, and to represent the contract were precisely small compared with the mousest mountainty of the contract of the contract which the contract which is the contract of the contract which was a supplied to the contract which the contract whic

of Mirch, was nothing bit a bass, reconfactored expensity for it by our own General Staff!"

I was so stemmed by this revelation that I sat speechies for a few seconds. But I collected my thoughts raideally, and demanded.

"That is all good and well as far as it goes, but wint about the German army in France, my dear Baren? How could over a milton Germann have taken Parus and Bordeaux without the outside world

taken Parus and Bordeaux without the outside world hearing about it?"

I thought surely that I had cornered Munchiamou that time, but he sarrely gave a deep sigh and said

"Also, great made always run in the stare downnole. That Germa who thought of algoing that turneds underneath our troops also therein of pitturneds underneath our troops also therein of pitture, his soldiers is of Provice and British weightens! "So, you see, the German meraperaded starters fooled the French population proceedy in the sum marater as I fooled the German people with mine. There are thousands of French even today who laves not the slightest knowledge that Porra or Bordeaux hed strainly does in German turned! That

worked . "And what did you do next, your Excellency?" I

"My hat expenses with the Allies having growd on hardheigh use, I did not with to above my face in Burope my longer, so I decided to come to America, where I arrived in the module of March Having been in America premously, the country was not now to me; as a matter of fair, I had sequent a large either on the south shore of Long Island some years before I restrict deep and, Isrange has over years before I restrict deep and, Isrange has complete my inventions on which I had been experirenting in Paris before the way trought an alture

"The problems of gravity had long attracted me must powerfully. With Newton, the famous, I wondered what mode an apple full from a tree or a brick

from a reof. Newton long ago, in his famous weeks, bad told us the saley, but he trad died without known may the fove. He know all the laws governing gravity, but he knew not what the force consisted of, the was very much like Ednee, who shows a great

deal about electricity and its laws, but who does not know what electricity mail economic of.

"It did not take me a long time to actually solve the asystemic of gravity, once I hat upon the right laws." I found that evenity, like a electricity, is a

certain municatation of the luminal cross either which permentes the universe and all matter.

"Once I had solved the mystery, I set out numedi-

"Once I had solved the mystery, I set out tumordiitely to find an in-abito for gravity, and in a few thys I had solved this problem in a missierful

"To make myself plain: On earth all objects are attracted to the center of the earth by the force known as gavely. Whether at be a centro hall or a feather, both will full on the centre surface at unswenerted. If some means could be found to

mitrione between a falling apple and the earth a furney' instantor, through what gravity could not act, the apple would stay empected in mid-art, the act, the apple would stay empected in mid-art, the three would no longer be any gravity to attouch at "A parallel to the above is found in the following imple experience: Table a steel hall and rear it on a smooth surface. Then take a strong horseshor the meant council of the mid-art and a few meants come does recopy, the hall will real

the angret comes done enough, the hall will roll bound the magnet the irreades at. Separate the two upsin and repent the performance, but before the last machine the magnet enterpose a response a store piece of abest most. The note will take upall the magnetines and no sungerice them will readthe bell. Consequently for will be util, manifected by the strong magnetic, which is just not strong at orter, but all tomorables the piece of sheet in the strong that the present of the present of sheet in the strong but all tomorables for the piece of sheet in the piece but all tomorables for the piece of sheet in the piece to magnetize flow one pour to the other; it was the

be transmitted from one point to the other, it must pass through a conducting madium. The the medium I away and the energy estimate to transmixed any longer. To disturbate:

"Take sound, for example—a simple found of engy. A bell rings. The sound waves generated from the bell's gong travel through the six off they strike your ear dram. Yest bear the kell. In this

opace to the universe. There is no stom on earth or in the heavens which it does not permeate completely at all times.

"But, of course, this is all well known to you. a very

giasi sisulates electifity and process it feats leaving its consisting were
"My gravity insulator is simply a carrianty se-"My gravity insulator is simply a carrianty maranged wite enting of insulated searcomes wise crossing each other at right angles. Marcotains as a certain settal of the trainfume group, discovered by me; a netting of this wise, when exacted with a powerful current of a pecular were und a frequency tunning must be multivase, seek as a perfect insulator through gravity measure at a conventures with a train-

powerful turrent of a possible were and a frequency turning mits the militars, seed as a perfect invalidate toward gravity successor. I returnstates the state as some a seed successor. It without military successor as former mirrial over 1t. It will not tooch the gravity invalidate tulica your pash is down on # by applying an activated force. The mirrial causes drive on the contraction of the mirrial causes of the mirrial cause of the potraction of the contraction of the con

"To prove this action, I plund a spring seal company, and a spring analysis. The solid striped suggested, and a spring analysis. The solid striped suggested and a spring seal of the solid registeral on weight plotted weight on so in the solid registeral on weight, or solid seal of the solid registeral on weight, and the solid seal of the solid seal of

solution will say suspended only if glazed directly above R. if a point of the object entition over the case of the mitting, the object will fall down on the tender of the mitting, the object will fall down on the tender of the control of the con

"My invention completed, I immediately set to work toward building a machine which would enable me to leave the earth. I accordingly constructed phanned excurrious was to our neutrest neighbor in space—the moon—which is only about 20,000 miles channed. The steel globe which was so take me to the moon had no mittee outer surface covered with a double marconoma setting, the free, incubated were ends of the netting entering the globe, where they

doubt marcourum setting, the free, lieukaed ware ends of the entire externity being, where they were connected to an exhibition switching arrangement. Running around the globel's creamformercate. The setting around the globel's creamformerter of the setting around the globel of the residual residual residual residual residual retentive the terminal residual changing the transcription where independent and the terminal residual residual residual residual residual retention of the residual residual residual register was well furnished for all conforts and had a powerful descript plant, sentiar an many respects.

to a modern solumarine power plant
"After baving completed all arrangements, laying stocked the machine with all kends of provisors,
tol and many selectific matternates and apparetes,
I made ready to leave old Mother Earth. The trip
being extra hazardus, I book coly one person abre,
an intimate friend of mine—Professor Headish
PERtentia, of Commits University.

"The only other assinate passengers of the expedition were Buster, my fox territer, and Pec-Pix, the Professor's county territ, which he refused to leave behind.
"The moon, being fail and almost overhead, we

enterout by macques, which I had certificated the evening below as The Interestable. The heavy, and the control of the control

was mit sweezed on.

"Through the glass porthales at the bottom of
"Through the glass porthales as the hottom of
"Through the glass porthales are associated with egosuing in their characteristic green glow. Immedia newly, we were lifted toward the moon overlead as a irightful speed. In less than 50 seconds, the estim-American continent before widdle, and in a few pube, stood out within his time force, an interness pube, stood out within his time force, an interness "As fight cannot pass through an excited Mar-"As fight cannot pass through an excited Mar-

continuous pas tercupa an excree starcontinuous per excessary to switch off the current for a ten seconds, every time we wished to see earth beneath us "The upper part of our mackine (turned toward the moon) was now subjected to the moon's gravitational attaching—the earth, on account of the

reaching the control of the control

and to still research and the still research and the secretary from the peculiar streaming sound in my left phones, running down the scale; the low allow, then correlating used.

END OF INSTALLMENTS I AMD 2

POLLOCKANDTHE PORROH MAN by H.G.Wells

her of "The Time Machine," "A Story of the Stone Age," etc.



But he were not option command the prevent the man, who was namined to get to Publich's tile at the hargain, from opening the dark and introving the bond of the Purph mean most tile take. To be about 2000 Have take the dame, burder or bed under on the count, and collect to the bond of the bond on the count, and collect to the bond of the bond on the count, and collect to

was in a swampy village on the largon

was armed at his deltoid muscle, sent the mon dagger

He fired again and missed, knocking a sudden wandow out of the wall of the hut. The Poeroh

what the shots might signify. Behind the little

Policick came out of the but campously and walked towards the river, looking over his shoulder at in-tervals. But the Perrob man had vanished. Pol-

lock clutched his revolver nervocasty in his hand, One of his men came to meet him, and as he came, pointed to the bushes behind the her in which

Mony are the tales brought back from trapical arctions of our earth, where the abstraction back often been re-

scruously. Pollock cursed hitterly at his luck, at

disturbed him was the persuasion that this business He swore savagely at the black, who ventured

Waterhouse was still skeping off the effects of his

writed for him to awake. About him were sostgot him some tea. Over the tea the meidents of

"You're one of those infernal fools who think a be ill a day without you must get into some duty

At that Waterhouse became speechless. He jumped "Look here, Pollock," he said, after a struggle to

have you any longer. I'm ill enough as it is through "Korp your beir on," and Poliock, staring in front I ham "I'm roady enough to go."

Waterhouse became calmer again. He sat down on the camp-stool. "Very well," he said. "I don't want a row, Pollock, went HERE II on estroordinary stary by Mr. Wolfe, which

> "You needn't," said Pol-"I can go alone.

"Not far," said Waterhouse "You don't understand this Porroh business.

"How should I know she belonged to a Porroh

They appears the chiefs. The Impulsition, at its best, hirky our porters are Mendis. We shall have to

firmly in Pollock's memory. Marcover, he was shift this little settlement of ours. . . . Confound you, Pollock! And, of course, you must go and miss

He thought, and his thoughts seemed disagree-

his shoulder, as he went out. "I'm going out to see what I can find out about it." Pollock remained sitting in the tent, meditaling, "I was meant for a clylloud life," he said to lam-self, regretfully, as he filted his pape. "The second

I get back to London or Paris the better for me.

Waterhouse came back after a long interval. He was not communicative, though Pollock asked him

Waterboute, after a gap of alence Pollock wanted to know what the brew might be. "Denoting in a circle of shotls," and Waterbones; "brewing a stink in a corper pet." Pollock wanted particulars. Water-

That night, as they were sitting at their fire, Pollock again tried to draw Waterhouse out on the subject of Porrol methods "Better get to sleep, subject of Porroh methods "Better get in steep," said Waterhouse, when Pollock's heat became apparent; "we start early to morrow. You may want all your nerve about you." "But what line will he take?"

"Can't say. They're varsacte people. They know

There was a flish and a herey bang out of the darkness behind the bats, and a clay builet came whistling close to Pollock's head. Thus, at least, was "Better go into one of the hots," said Waterbrane

Pollock stood up by the fire and drew his revolver. in the dark is in the best of armor. Realizing the wisdom of Waterhouse's advice, Pollock went into

WHAT little sleep he had was disturbed by that this transitory impression should have stuck so

other. He was left all alone in the front part of of the river, a clear hundred yards or more from other shore. However, he made Shakespear, the The day passed. The came glided rwittly along water-figs, falkn trees, popyrus, and palm-water

The next day they reached Sulyma, and smelt the Pereza was a little Portuguese Jew, who had lived in England, and he appreciated the Englishman's

For two days nothing happened out of the or-Pollock got into debt Then, on the second evening. its force when it hat him Still it conveyed its mock revolver in hand, all that night, and next morning confided, to some extent, in the Anglo-

Percen took the matter seriously. He knew the

If you come upon him suddenly, you might shoot "Den dere's dis-inferred magic," said Perera still it's not nice to tink dat wherever you are, deep

dreams. . . Hod any had dreams?"

"Rather," said Pollock, "I keep on seeing the bergar's bead upside down gritting at me and show-

"It's probably only famy," said Perera, "Den my magners say Porroh men can send snakes. Som

"Only one. I killed him this morning, on the got up"
"Ahr" said Perera, and then, resonantly, "Of

course it is a -- coincidence Still. I would know my eyes open. Den derc's pains in de bones."

Then Pollock remembered that he first noticed them the night after the fight in the hut. "It's my opinion he clon't wark to kill you." said Privite-"or rhetmatic pains, and bad dreams, and all dat, moth

he's sick of life. Of course, it's all talk, you know I shall have to be up to something first," said Pregra was putting on the table. dignity to be followed about, and shot at, and

blighted in this way. I wonder if Pormis holegypoley upsets your lack at cards. He looked at Perera suspiciously. "Very Bledy it does," send Perera warmly, shulfline, "Dev are wonderful people."

That afternoon Pollock tilled two snakes in his showed Pollock a fittle iron dagger, and demongun with an ornamental lock

"Not here?" said Pollock very hurriedly "Not

But he was not culck enough to prevent the man, from there on to the floor, leaving a red trail on the rards, and rolled into a corner, where it came to rest messie down, but glaring hard or Pollock

to scup in his own beam as he fooled at fit.

"You got him killed?" he said. "You did not kill

"But he will not be able to take it off now?" "Take sater off?" said Pollock, "What do you mean by taking off?" raid Pollock.

"It is only supercution. I forgot. De niggers say

Pollock swore under his breath, still staring hard "I can't stand that glare," he said. Then and-

ugly. Day do it on deir faces with little knows." Polleck would have keeked the head again, but he said, leoking nervously at the head.

"Two-if you will take that beastly thing away."

The Mends shook his head, and intimated that he only wanted one gun now due to him, and for which he would be obliged. Pollock found pather eriokry nor bulling any good with him Perera

"It is tunny dat his head keeps upside down," and Perera, with an uneasy laugh. "His brains count dat keep always upright wid lead in dem. You will is a man sell dem in Frentown. De room is in a fifthy mess as it is. You should have killed him POLLOCK palled himself together, and went and

larms-book in the muidle of the cribing of his room. He buried it before sumset on the north side of

"Good-live, Porroli!" said Pollock, "Good-live-The captain of the steamer came and leant over

In the early dawn he awoke again with a peculiar sense of unrest. The vague pain in his bones had returned. For some time he by watching the red as the light grew brighter, he looked over the edge of his harmook and now something dark on the

He found himself lying, perhaps, a yard away

odd contidence, it was still uprife down, and with

jest-a jest to be told with white lips. "You should

The next two days, until the steamer came, were

At this Pollock got into a kind of frenzy. He would burn the thing He went out straightway brushwood before the heat of the day. He was

That afternoon, with a sense of infinite relief, Pollock watched the flat swampy foreshore of the Sulven grow small in the distance. The cup in

the roll beside him, and urphed him good-evening, and spot at the fruth of the wake in token of friendly "I picked up a running curio on the beach this

po," said the cuptum. "It's a thing I never saw done

"What night that be?" sad Pollock.
"Pickled 'ed," said the captum.
"What?" said Pollock.

"'Ed-smoked. 'Ed of one of these Porroh chaps, all ornamented with leafte-cuts. Why! What's up? Nothing? I shouldn't have took you for a norwous chap. Green in the face. By goah! you're a had sailor. All right, ch? Lord, how funny you went!... Well, thus 'ed I was telling you of is a bit rum in a way. Twe got it, along with some saskes, in a jur of spirit in my culum what I keeps for such cuties, and I'm hanged if it don't float upsy down. Hallot"

Pollock had given an incoherent cry, and bad his hands in his heir. He ran towards the public-boxes

"Here" said the captain. "Jack Philips, just keep him off me! Stand off! No nearer, meter! Pollock out his hand to his head. It was no good explaining. "I believe I am pretty nearly mod at times," he said. "It's a pain I have here. Comes

matter settled, asking a number of questions about lock was struggling to keep under a preposterous

Policek had a worse time almost on the steamer shadowing his mind. At night his old reghthare returned, until with a violent effort, he would force barnelf awake, rigid with the horror of it, and with He left the actual head behind at Bathurst, where

he changed ship for Teneraffe, but not his dreams lowed him He gambled, he tried chess, he even sect came into his range, there he looked for the bead, and-now it. He knew clearly enough that his imagmention was growing transe to him, and yet at times it seemed the ship he sailed in, his fellow passengers, the sailors, the wide sea, was all part of a filmy plantasmagoria that bung, scarcely writing it, between him and a horrible real world. Then the Porroh man, thrusting his diabolical face through

S O, struggling grimly and silently with his excited Simugination, Pollock reached England. He landed st Southampton, and went on straight from Waterloo" to his banker's in Cornhill in a cub. There he transacted some business with the manager in a private room, and all the while the head brang like an ornament under the black marble mantel and

dropped upon the fender. He could bear the drops fall, and see the red on the fender.
"A pretty fern," said the menager, following his eyes "But st makes the fender rusty."
"Very," said Pollock: "a mery pretty fern. And that reminds me Can you recommend me a physi-cian for mind troubles! I've got a little—what is

The head laughed sayspely, wildly. Pollock was surprised the manager did not notice it. But the

so he went on down to the western end of the street. rubber ball, between your legs, leaving distinct kicked at the thing furnishy. Then something her

He had been but by the pole of an overflow and

For a couple of days Pollock's sensations were full "If my skell had been smashed instead of my fingers, it might have gone altogether," said Pollock.

of his mind trouble. He knew dearly that he must to mad suless something should intervene to save Presently he spoke hesitatingly. "As a child, did

A shade passed over the physician's face. "I don't

may be, of course, they are not mirrandous-or "Fault-healing will hardly star me, I om afmed." and Pollock, with his eye on the dark cushion

easiest. The atrong irroression was too much for you. I must make you up a little mixture that well strengthen your nervous system—especially your

"And therefore we must restore tone Go in search of stimulating sir—Scotland, Norway, the Alpa-" "Jericho, if you like," said Pollock—"where Nos-However, so soon as his fracers would let him.

doctor's suggestion. It was now November. He tried footbell, her to Pollock the game consisted in he suddenly yelled and got out of its way. to wander in the tropies shut him off from any but thing was no larger a thing of the eye morely; it gibbered at him, spoke to him. A horrible fear defy it, entreat it, once or twice, in spite of his One day, early in December, his cousin Arnold-

his teeth and rode faster. Then suddenly, as he apportion rolled as front of him and under his "I know that is a bronze iar," he said, with a chill

FOUR DIMENSIONAL SURGERY by Bob Olsen

Author of "The Four-Dimensional Roller-Pre



Just as I grouped the the last of the server helding the light datume gare way, and with a love that showed pulled any saw dust of an open to be extra national man and made to the large-levener come loss voids, and if you defined the extra national man and latter than the property come in the void of the additional to the contract to the latter face. It is found one, first the right who, then the stock and lat, and facility the best of latter than the contract the latter than the la

OMEONE said that "Fame is a fichle Sign start to me, judging from the events ous disappearance of William James

When Saleiburg wantshed, so did my job, and I stated the precocious young mathematician to heald a maxime which had expanded his body to enormous

I answered countless advertisements for work I instant I gave my name. I finally mamoral to elescientific magazines, but my income from this source

believe my eyes when I read

"Show ham up at once,"

other gentleman? "Well, for Heaven's

sake, show them both up. And if there are any

When Doctor Mayer and his companion appeared. introduction, I resched out my hand and said. "Proprobably doesn't remember me, but I studied extentua

"Oh, yra I remember you very well," reighted the professor, though I suspected that he said this

If you happen to be a mathematician, the name of

Professor Banning will be just as familiar to you to his credit, which have made him internationally famous. He is best known as an authority on non-Euclidian geometry and on the fourth dimension, ra

had received because of his youth and precocity. Professor Banning, on the other hand, was little

accomplished up to that time You can imagine how insignificant and how em-harmosed I felt as I entertained these two distin-

Doctor Mayer started the interview with, "I underetand that you are the originator of the four denemously roles pross"

"So much the better. If you could do that for one methematician, it ought to be equally easy for

what he was driving at "Well, that's what we came to see you about. You mey be interested in learning that the immediate HERE the rather of the "Four Descripted Rolling

ing that if it were possible mension, a doctor could remove an appendix without cutting the peticut's skin "

"That's true. He did say something of that

"And, according to Professor Benning, it is entirely possible. But perhaps I'd better let him tell

Thus the professor picked up the conversation: advised against an operation. They and that because my heart there was not one chance in a hundred Mayor the passage in your story which he has just

sort." I responded

1080

"He assured me that if I could provide him with mension, he could perform even the most complidisary operation. They have been giving me a lot me. My life would probably be prolonged a great many wears of I could get rul of them. This would

should be the means of saving untold pain and hardships to afflicted humanity The reason we have come to you is that both cal skill. You, on the other hand, are an expert mechanic. Still more important, you have the into help us make some four dimensional surgical

"I hardly know what to say," I foltered, "Naturally, I know a little about the fourth dimension, but what you have just told me is away beyond

"Perhaps I'd better explain it more in datail." "The best way to get a clear conception of the possibilities of hyper-mace as by analogy, as, for dimensional objects with the limitations of other

hypothetical inhabitants of space having but two dimensions-or even only one dissension. Imagine a creature like a very thin worm, so thin, a one dimensional being sometimes called a Unodim. It could move shead in a straight line

and another behind it and it could not move either around or over them. "Now, suppose we old another dimension, namely width. We now have a being of two dimensions a Duodin or Flatlander-whithever nomenclature creature in nature would be a very flat flounder or turtle. But while a turtle has a very appreciable

land' would be thinner than the finest tissue paper or gold leaf.
"The movements of such a creature would be confined to a single plane. It could move forward and move either up or down. In order to confine in a lend pencil and the Flatiander could not get out of

ring by removing some of the graphite.

"Suppose there were two such creatures inside the cycle, and suppose a three dimensional being like the third dimension and place it outside the earlie. vanish in an inexplicable meaner. If he were able to break through the pencil mark and discover the

"Assuming that there is such a dame as a four lift you get of this room without opening a door over a pencil mark. Of course, there are no such creatures, but the possibility of our being able to

contrivances is entirely feasible. "Let us return to Flatland, where all objects have but two dimensions. Theoretically, we can easily conceive of such objects, yet in actuality no such things could possibly exist."

"Pardon ms. Professor," I interrupted, "but I

Thet's a good illustration," Professor Bonning

not have used the term 'shadow' but rather 'pro-jection of a shadow,' The word 'shadow' applies to all the space from which the light to cut off by a "Let us consider the shadow cast live a silver cloller,

and are perpendicular to the dollar and to a perfectly tion of the shadow on the wall will be a circle and will have only two dimensions, but the shadow itself will be cylindrical in shape, with the surface of the dollar as one base, the projection on the wall as the from the dollar to the wa "If we place a piece of flat cardboard, merallel to

the dollar, anywhere between it and the wall, a two drical shadow is really made up of an infinite mum-

But a shadow could hardly be considered as a material object, although Peter Pan was supposed to have lost his shadow. Then there was the other amount of height, the imaginary inhabitant of 'Flatunfer his arm. All this, of course, is pure fantasy. ence, he must be made up of particles of matter,

minute thickness would be peactecally equal to zero.

Yet we can conceive of piling on top of each other "Now, let us assume that there are three of these

Flatlanders who are developed enough mentally so that they can thise in a third dimension and can flat mece of paper a pocture that looks exactly like

"Surnose Duodim number two—a mechanical expert, using this picture as a basis, cues a large number one on ton of the other until he has actually made a cyander. It would be but a step farther for him to construct two rods, fastes them together in the that Doodin number three-who is skillful in the same plane a short distance away

"Perhans a disarram will make my meaning clearer." He picked up a pencil and a piece of paner



"Pardon me." I interposed, "but I'm afroid there another object with a contrivance like that, your Flatlander would be obliged to move through the third dimension himself, and, according to the origi-

aketch was not intended to be a practical working However, it ought to be easy for you, with your into motion at right angles to that plane. Isn't that

I had to admit that it was sion and Doctor Mayor will be able to remove my gull-stones without the alightest pain or shock to my

FOUR DIMENSIONAL SURGERY

sional forcers or tongs looks like tician can draw a picture on a flat surface, showing what a three dimensional object looks like, L. by which will visualize to you the appearance and char-

He ricked up the pencil again and jotted down

these headings: Points (Corners)

"Of course you understand how a traseract is penerated. You first move a point, or a corner-if you perfer that nonenciature-a unit distance, say one continueter. This generates a line or edge one centimeter lone. Next, you move the line for a distance of one centimeter at right angles to itself, thus form-

right angles to both its width and length, which will form a cube, one contineter long, one contineter wide and one contineter light. Now, it only rurning a direction which is at right angles to its length, width and thickness but is not parallel to either of "Let's see what this hyper-cube will look like. menny corners?" "Eight." I answered after a moment's thought

This ideo he wrote on the slip of paper. "And

"And of course there's just one cube. "Now, when we more a corner, no other corners

are generated; but at the end of the operation we have a second cube with right corners, so the total number of corners in our testeract will be how more?" "Sixteen," said I

"Correct. And each corner as it moves through space will generate what?" "And there are how many corners in the original

"Right" "Therefore, eight lines or edges will be generated by the section. If we add the twelve edges in the

"Therty-two colous," he repeated "Now for the faces. We started with six square more in the final cube. Would there be any more?"

twelve new someres renerated. Sex and sex and twelve makes a total of twenty-four faces in the tesseriet. Am I night?" "Very good, indeed. You seem to group the idea admirably. Now see if you can tell me how many

cubes there will be in the tenseratt. "Let me see. You have one cube to start with generates a cube. There are sax faces in the cube. Six and two makes eight cubes in the tessernet."

It rend like this:

	Totas		Final	Tenur-
		Matten		
Points (Corners)	8	0	8	16
Lines (Edges)	12	8	12	32
FARES (Squares)	6	12	6	24
Scenes (Cubes)	1	6	- 1	8
"You see how a	mole is	t ss. All s	ne meed	to do is

construct an object bounded by eight cubes, twentyfour square faces, thursy-two edges and sixteen cor-

"Since any object can be divaded into a number of istics of the four dimensional counterpart of any geometrical solid, it ought not to be difficult to con-

"It certainly sounds reasonable to me." "And you will help us carry out these ideas in a

This seemed to surprise them. My enthusiasm sorry to disappoint you, and I can't tell you how much I appreciate the compliment you have paid me; "Is if a question of finance?" Doctor Mayer wanted to know "If so, you may rest assured that

my chief ambituon is to serve humanity as well as loafing right now; and, to be frunk with you, I'm desperately in need of week. But-" "Then why in the world won't you work for us?"

"For the same reason that a man who has narrowly escaped drowning avoids skazing on thin icu." "Surely, you don't think there is anything to be afmid of?" This from the Doctor. mid of?" This from the Luctor,
"Well, Sidelburg didn't think there was anything to be afreid of-and look what happened to him. I'm not superstitions exactly, but supprinted I think tunate in wresting knowledge from her."

sken and bundreds of other grest men would have

swallowed by an earthquise as of being destroyed by the Four Dimensional Roller Press.

ludy who was trampled to death by a trained elephone which becaree frightened while being led I don't impaire she ever worried a numero about Doctor Mayer took up the argument, "You said

a moment ago that your chief ambition is to serve humanity. If you really meant that, here's your oprelieved when four chromstonal surgery becomes a reality. Think of the Ewes that will be spered and prolonged-the grief and pain that will be assumed -the added happiness that will be made possible. one dependent on you. Aren't you man enough to take some risk to accomplish this great humanitarian

Of course I gave in and consented to lend my and to the enterprise. What clse could I do? That

place was as good as another. Professor Bearing was countly indifferent to geographical location learned that he had rost embarierd on his subbatical period to the development of four dimensional sur-

Doctor Mayer, on the other hand, was still carrying a beavy load of responsibility in connection with devote any appreciable amount of time to the work of producing the first four dimensional forceps, it was thought best for us to be near him, in case we wished to consult him on the medical asperts of the A portion of the hospital ground had been set

to erect a small building. Professor Beaming and I together drew up the plane and supervised the construction work. While the atrecture was been As I look back now to the months I spent working

Professor Banning was the most charming and interesting of companions. As we worked together

churacter, we talked about a variety of subjects as the newly from malenuments or mechanism as Tacemen is from Tumbarton. There was secretly a tope with which Professor bissuming was not chromoughly priving mass of information the an ambendative group of fundamentals as well. He was equally at forme in discussing hermiter, architecture, moste, philosophy, antheropology, philosophy, physics, softwaphicologis, antheropology, philosophy, physics, softwacerns, alternating windom we a spengy tasks up water. One day I searned associating by surroduzing the

subject of spiritualism
"Did you notice the article entitled "The Deniscus
of Hyper-Space" in this month's usue of Science and
Psychology?" Languired.
"No. I hawn't seen that yet. Who wrote at?"

"No, 4 haven't seen that yet. Who wrote "Dector Hermann Gesellschaft." "From Heidelberg, isn't he?" "I shouldn't wonder."

"Well, what did be have to say?"
"I'm not sure I got at all clearly in my mind; but,

so far as I could make out, he tried to explain certain payeliar planements by the hypothesis that spirits are able to move through the fourth dimension. Among other things, he quoted a Professor Zoellaer of Luping, who claimed that he had held a rope by both

rupe nerore me wery eyes, it is assume tor unsemming minute by stirthuring it to spirits operating in the fourth dimension."

Professor Banning vonferated: "Zoelliser uns a fool and a dupe. Like some other pseudo-scienrius. Leadi wantion he werenful humself to

titls I could mantion, he permitted through to be hoodwinked by mountebanks who posed as spirit mediums."

It was the first time I had seen the professor for-

get his usual evargathity and landly masurer of speech. Perhaps it was his mathematical training that made laim so informat of the idea that are thing could exist costsile the world of purely material things.

I roade the mistake of persisting too long on the subject. "To me, the explanations of Gesellschaft and Zoellner sounded quite plausible. With so many murreleon discoverine being mode every day, how one we say that the colstance of splittle-or origitings size, for that moster—is impossible? As Cholonius and so has sen, "There are more quere things in the collection of the sense of the collection of the millioscolor."

Influence of the professor. "Young man, your quantities is as addled as your reasoning appears to be. It was not Pelorius but Handet that spoke those hirs, and he said nothing about hell. The correct quantities in There are more things in heaven and earth, Houstio, thin are drawnt of in your willowsolv."

I didn't need to look up this passage to be certain that he was right. He always was right. The professor stamped out of the weekshop, leaving me very much squelched and cogently conscient of how superficial was my own policy elected knowledge when compared with that of a real shallow

TEN minutes later he was back at my side, as affable and agreeable as if nothing had happened As a result of our assigness efforts, the four dimensional forceps was gradually taking shape. If we will keep and that shape are in two different way will keep as made that shape and the shape as a state of the shape and the shape are the shape are the shape and the shape are the shape

cale other. One authority calls the fourth dimension "Tweesigh" supposing that the parts are placed. Through each other. This relationship in the postion of the parts that make up a four dimensional object is one of the hardest things for the human brain to great. I must centific such the value of a of Professor Bannang's models and forensial. I should never have been oble to controut the Hyper-Fercepor. The mention of forensials brings to my mind a secondata amusing landers which occurred where we

The interest of relations dender to right the reserve approaching the fulfillment of our rate. Onmorating Professor Barring civic rate the workshop with a common woods bratte tilled at a rabio angle on the westerbile head. If c boled so consists angle on the westerbile head. If c boled so consists angle on the westerbile head. If c boled so consists angle on the westerbile head. If c boled so consists personal than the process of the second of the personal translation to graph. But the high respecwhich I had always left toward him forces me to keep my free trialight. I flancied I saw him cutting nurrepthous glances in my direction, as if he were typing to with me granning, but not a fidner of a

so suite, did I dare venture.

Firstly by spine. T suppose you want to know
se why I an woming this backet. Maybe you think I me
energy but I if the be madness, backet amitted with
exercise the little be madness, backet amitted with
exercise the little beautiful and the little of t

which come into my head from cottofs—this missing up my formulas. I recently discovered that these extraneous figures covered posteriate wood. So all I have to do is loogs this toolest over my head and the figures outside cannot get in."
"One of those days I'll have to begrow your backet," I justed. "Not to keep the outside figures from conting in, however. For when I family missing the property of the property

sed as if I would a hoster or concerning theirer—toprevent the symbols that are saide from getting out, that if, as you say, the figures can't get through wood, perhaps I'm already proceeding. This averand to tickle the Profusion. He was even constrained to perp me a compliance—concerning extremely size for him. He gut his hand on my shoulder and said, "My boy, there's nothing midselly shoulder and said," My boy, there's nothing midselly

and ther's searching "
"I don't see how anyone could get swell-headed over his thinking capacity when he's working with a real thinker like you," I came back at him, "Thanks, my boy, but I'm afraid my mind isn't.

"Thanks, my boy; but I'm afraid my mind isn't working so well today. This old carcass is pretty well worn out. Those pains have been bothering me arain. I think I'll knock off for today. Can you ver

along without me?"

mechanical in character and which I felt cortain I

From that day, Professor Banning foiled rapidly

feeble old body to fight the rayages of age and

Realizing the necessity for speed, I worked with At last the Hyper-Forceps was finished: In general outimes it was not unlike an ordinary medical

ceps was that it had four fineer-boles or handles Hoof pass, however, and they could be operated by three dimensional forceps. But when the right hand pair, it operated a unique mechanism by mesus of other words, through the fourth dimension. This

I took it immediately to Professor Banning's room four dimensional forcers was firested. He had been

It was decided to put the Hyper-Forceps to the a medicine bottle from the table by the bed drew basin. He then took from his pocket a lead pencil.

"I shall attempt to take that rubber from inside the tips of his right thumb and forefinger in one pair of handles, and those of his left hand in the

PREPARED as I was for something preporterous to happen. I was duminomied to see the Hyperappear from sight until coly the handles were visible.

visible laws ought to be somewhere much the hottle ter to work the handles until the jaws grasped the the Doctor caused the rubber to disappear comthe bottle and once more brought the handles tosited right through the solid walls of the bottle and had been dropped on the table! It works! It works! It works!" the Professor

It was not until afterward that I gave any thought to the incongruity of their behavior in commercian then the Professor and fully twenty-first years yourser than the Doctor was as cool and calm as men were exverting around Hot a comple of first-

"Can't you operate on me right away?" was the "Why? Are you in very great pain?"
"No In Set, the pain segme to have left me

next thing I'd like to try is removing some object I "Would a peannt do?" I asked. Perhans I ourle

"Just the thing!" exclaimed the Doctor, as I handed one of the auts to him time, as it was processary for Doctor Mayor to group

jawa But he fimily got hold of each of the two it near my eur. Not a ghost of a rattle could I hear. and the higheness of the nut was further proof that "Now for a trial on a living creature," cried the think I have a good subject to experiment on

Professor Banting dorned his bathrobe and shipeers, and the three of us went to the laboratory Doctor Mayer's "subject" turned out to be "Wil-

time, I think I'll use my X-ray goggles. You know

"There's not stuck to them. Same principle as

a Roentgen tube arranged in such a way that it He lifted Wilhelm to the table and strapped him fast. Then he threw the switch that operated the

That the ever had some foreign substances in its stormich was instantly apparent. Doctor Mayer

nicked un the Hyper-Forceps and worked the ban-

"Odd!" he exclusized. "Most peculiar feeling. Like pushing something against some yielding sub-See, in this direction at moves easily; but I have to use all my strength to make it move in the opposite

markable obecomenon just at that time. By exercising the utmost care, accompanied by the sets of hundles together, making the laws of the forbolt, three chingle neils, a tire valve cap, a boy's marble and two safety pins. Through it all, Wilhelm

during the moments when the four dimensional for-"Well, that ought to be proof enough that it works," Professor Banzine remarked, "The only I move that we do it rasht nour! Doctor Mayor seemed equally arraigns to make the

final test. "All right," be assented, "but first let me aged for my brother. Thought I don't excert any

Doctor fullus Mayer responded promptly. He had, of course, heard all about the four dimensional

forceps from his brother, and it took but a few "It won't be necessary to make any special prep-

course sterifies the Huner-Forcers. You might get a can of ether handy, Julius, to use in case some-thing unforescen happens. But, judging from the way that goat behaved, I'm sure we won't have to

LAD just as he was, in nightpown and bethrobe, CLAD just as he was, in impropose and the Professor Banning stretched himself out on the be again remarked about the difficulty be expended the forcers into the patient's body, where we could

the Professor was fully conscious of what was going "Feel any pain?" the surgeon asked.

"Any musual or perdur scraation?"
"Not yet. Ouch I did that time! It didn't hart very much, though." I just pinched your liver a trifle," the Doctor

last then, a horrifying thing happened. The in-

I jeried off the poggles and dashed to his side, exclaiming, "Can't I belp you?" "No. Better keep away! Good heavens! Look

sight! His sams seemed cut off at the cibows! His

I took snother hornifed glusce at Professor By this time, all of Doctor Mayer's arms and part of his chest had "melted" from sight. His brother if to draw him back to safety. He might as well

released his bold. A moment later, not a vestige of either Doctor Paul Mayer, Professor Banning or the Indias Mayer and I stood looking at each other.

"Perhaps we'd better notify the police." I stam-"Good Hewrens! Don't do that! Not yet, at

curselves. You know more about this wretched grst something?" "Possibly they are still in this room, but have

merely been made invisible," was the only suggestion I could think of. and arms. We even placed a stool on top of a

understand the feelings of a naval officer who knows

Hopeless in his despair, Julius Mayer finally said, "Well, if I'm to be put through the third degree,

I suppose I may as well change my clothes." Leaving Julius Mayer to take care of the former

abou, where my street clothes were honeing, such as a superstitious person might experience on rithood a mysterous conscionings that there was tounding phenomenon. A drop light, which had been frestalled to enable us to work at night, was drawn to one side until it was almost horizontal.

My eye, searching for an explanation of this mirover my hody and my hair began to bristle, "like

Jun away--to call help--to let somoone else take the

Just what made me stay, I am not sure, but I think it must have been the remune love with which many ways he had treated me as a fother would beautits of a parent's care, this had meant a great

That quick action was imperative, and that there was no time to go for help, was sumedistely morerthan it could be expected to hear wery long, and I

For one who never made any claims to strength and hopped off across the storm-tossed sea, How was I to know what frightful fate might take

to draw these two men back to cards, or would my Whatever was to be the outcome, there seemed to

mend enough to brace preself by a tight erin with my Just as I grasped it, the last of the screws holding

strain was shifted to my body. I minused to hane what relieved It felt like holding the string of a ceps came into view until it was entirely visible.

next, it sounce almost too preposterous to believe when I perceived a detached human hand chaging suspended in midur. As I slowly drew it toward

shoulder, was still invisible, however By this time, Doctor Mayer was able to help han to the bench, and with this extra bracing added to my tugging on the Hyper-Porceps, we quickly sucfor Banning whom the doctor had been helding by

You can easily imagine the relief which they felt

also picture the joy with which I welcomed back these

indications which led me to believe that as soon as we disappeared from your sight we began to lose our eravitational astruction for the earth. I put it that "Being projected into the fourth dimension had

tional attraction for the earth, but only a portion of into space by contribugal force, like rocks shot from n alizar. Perhans our position might be fileened to

"After a few moments we noticed that we seemed for this by the assumption that our momentum was

were fruitless. They melted in our fingers Hie so much woor. Our budies also seemed almost trans-At the same time, I found that when I grasped Doctor Mover's hand, in order to prevent us from to him without being able to feel any semation of contact. With his other hand, Doctor Mayor still did harm to it, because without its help we should "In a little while we found ourselves floating

through the workshop. I quickly realized that if we left hanging in some with the earth hurthing away It was lucky you came in when you did, because it seemed impossible for us to pull ourselves buck flaws in it which I shall have to correct later when I have had an opportunity to go more deeply into over. I believe that the solution of the mystery is

variably used in the class-room at the end of each "There's just one more thing I'd like to know," I wentured: "What about your gall stones?" "Oh, they are all gone, thank Heaven. While we and alurked them out with my fingers !

What Do You Know?

R FADRES of Assaurus Steenes here frequently consumated upon the fact that there is more actual learning to the contract of the property of the steeness of th

- What two savage unitsafe are to be found in the Alleghersy Meenings? (See page 1001) What former read to there to Japan which is said
- Where was the bistoric loke selessrike built and
 - 1002.)
 Barro Messibhasser was a real person, whose same has been increased for special use in hierature. When was his full name and trile? When
 - How could two grains of and affect a one-di-monatonal being? (See page 1530.) What is a Toucract! Our you start from the

- solide? (See some 1983
 - What constitutes the deference between atoms of
 - tried exertine? (See page 1089) What are those mys? (See page 1089).
 Suppose one were able to remove alectrons one by

The DISINTEGRATING RAY

by David M. Speaker



**The clouds number of rold in reventy-rise and that of motory is eighty, so they are only separated by the difference of one relations consequently, I form the deal to the number two, "The professor's head went contribution and with a fleely bening least, which has done the tribute.

N the late spring of the year 1926, there turn he corduilly disblack. At this time I was takcompletion of my course. It was a subject that had

Instantly, I scrambled into my cost and made a rush

Having seen this south, I turned to the professor

All my khurs tended toward a goal. This goal was the disinterration an exceedingly high frequency. Before I go any knowledge of the structure of the atom so that you

"An atom, as you should know, is composed of cirally a positive charge of electricity called a proton at a high rate of speed. Now the important fact for

you to bear in mind is that one atom differs from another only in the number of cleritees it contains When an atom has many electrons, it has a high atomic weight is low. Now the interesting thing about it is, that when all of the elements are ar-ranged in the order of their increasing atomic weights, each element has one more electron in one stance, silver has an atom of forty-seven electrons, all this we see that the nature of an element rests so that if in any way we can after this number, we

I thouse by this time that the lecture must be "you should be is miles with redirectivity and alpha delta, and manns rays. Of these the aints ray is the weakest and least penetrating, while the gamera Also, these mys differ from each other in their comof electrons moving at a high velocity, and the gamma rays are waves in other. The X-ray is simifor to the gamesa ray, but is not nearly so nene-

trating. Now to explain my machine: First of all, for this experiment. In this tube I produce an ordinary one. If you look excefully, you will see with high voltage is made to go across the gap be-tween them. This results in an electrical discharge a high vibratory rate is

HERE is a short story of the atom, which will be of It more then possing interest to you. Science teacher to that of controls, so makes adult they are, are expenses super beix ray"
"But," I asked, "I was

has but this ray is known as the cathode ray. The X-ray is caused by the impact of this cathode ray on some substance in its path called an antirathods.

it is of so high a frequency that it will penetrate an The professor having made this amazing declara-

me traumchantly "What do you think of it?" "It's great! But I fail to see what relation it bears where the preference "that the tray which from use of 11 will seek to the effective preference and the tray of the preference prefer

"What," I saled, "is the purpose of the pump?"
"That," he explained, "is to extract the sir, otherwise it would desortgrate when I turned on the ray."
"You said that the opation my was of an excep-

"We play Extending po","
"The win has Sectionary of only one I use a pale in the country of the play of of t

wente also to see my maction in senior:
I replied in the affirmative.
Protessor Wild walked over to the tube and made
some poeffininety adjustments.
"Now what shall I turn the mercury into 3" he

added, turning to me.
"Try pold," I suggested.
"All right," agreed the professor, "the atomic
"All right," agreed the professor, "the atomic
sumfer of gold is severty-nine and that of necreacy
is easily, so they are only separated by the differtence of one deterrine; coresquently, I turn the did
to the number one." The professor's hand went over
the swifth, and with a loadly bening heart, I

goal. Professor With minorineeric and episture that from the pump, task out the gold and handed it to me. As he did so, one of his peculiar smiles oversured his face. I took the gold and examined it. It seemed to be pure, for it was very soft, so soft, in fact, that I could easily sorted with my finger mil. When I took w, I noticed that it was ruther warm, so I asked the copolessor the reason for

this, they charmed uses put together, it was the the report of a grant died of heat and ascape. Now that I tour them upart, this heat is thereery. Now that I tour them upart, this heat is theresale and teres we dement on a theorem coal. But the calibon between the electrics that results whis more than qualite to cold. Or, in earlier words, the confectionise reactions in which have it token in or more than qualite to cold. Or, in earlier words, the therefore the confection of which the set given of these to the determinants. For a few minutes I stood only to the the conference of the conference of the cold of the other than the conference of the cold of the cold to me the contemplation of the woodcord in markum,

"Couldn't you prepare the undiscovered elements that way?"
"Yes, but that idea occurred to me before, and I have done so already." He went to a meanly calinet and returned with a few bottles.
"You was," said the professor, "that they are only

"You see," said the professor, "that they are only some more mutuals of the rare earths, all of which are very much albee," He submitted the bettles to my importion and I saw that each obtained a prote of whiteh metal that resembled alumnum. He again were zero to his solihest and this time brought back a lead casket.
"The contents of this box would have been worth

six or soven million dollars. Now it is worth approximately fifty dellars." He must have read my mind, "Yes it is radium which I can now make at will from unminm.
"By the way, professor," I broke in, "is there any pentical use to which you can put this machine?

"By the way, professor," I broke in, "is there any pentrical use to which you can put this mechine? I mean could you possibly make it do anything and be subject to your centrel?"
"Theoretically, it is possible, but the main difficulty lies in the last that once the sudden distangation is started, it will speed and the whole world.

will come to calle. So that you may better antitails, it im the first the core to an immerse pile of gengrowine. If you apply a park to say polit, the gengrowine. If you apply a park to say polit, the the rest and then it is like it will not intend the rest of the pile. Now, I court separate the collections that I am from the rest of the welfs, but I can take I have the rest of the welfs, but I can told you, it see affected by the openin my. Of course, there is another peach that conference no. I have no way of becomes how much power I can treggrate, to been the danger of the whole than

integrate, so there is the object of an explosion,"
"I dea't see why there should be an explosion,"
"It don't see why there should be an explosion,"
I said.
"To do so, you must first understand the principle of the thing. In the process of releasing atomic

energy, the atom is subjected so a powerful discharge, which instead of merely taking off a feeelectrons, completely blazes the steem to pieces so that all of the electrons are left flying around. This gives rise to great pressure which can be used for samy things. It is this pressure that may cause the explosion. Of course that is not the freed way of deceasing the course of th

their the year can make it in a commendate their control of the co

will be able to do anything from distingerating lead to lighting New York for a weak. Int't it stepnestous?"

"It is certainly the most wonderful creation of the tage, but then't you see that if you put this invention out on a larne scale, very will destroy the ex-

"Why no!" he said in a surprised see. "How?" I colord, smead at the ocientic bindnes to practical facts. "How? Don't you andersand that if these mechanas are describeded, gold, alwer, and other precous metals will be marginetured galder." At this, some of his former entimasent code to flight, but after a mercount's thought he

"Co, well, there is a very small number, for I con for the markins as other they will defire a large quarter of guiden rays which sell be too poserfield on a list, and the list of the control of the other, but, of covers, the quarter will have to the other, but, of covers, the quarter will have to the other, but, of covers, the quarter will have to the other large than the control of the other carry. Now I feet that I have taken too much of your valuable time, so I will say good night. Howcarry, which are the proposed of the control other covers of the covers of the control other covers of the covers of the covers of the doc attentic covery, which may involve some rais of I do not which to copyer you to any danger that

I took my cost and went, with the professor escessing me to the door. I was not at all hard or normful at my sudden dissuisal, for absent terminations were theracteristic of Professor Wild That was the last that I ever saw of the professor, and this newspaper clipping will explain his du-

July 21.—Professor Chirton Wild, noted cal-

laye professor, tone billed in a blost that streeched his home and broke the unidence of several nearby houses. Details home not not been

Cosmic Ciphers

-By Leland S. Copuland.

In deep of night when I awoke
There came a frank and briefly thought
Thus some day we should die, and all
We subted thought for a benefit or

But can the Universes mourn
When transfers lives like ours are done
And we no longer walk a mote

For files that full by human stroke Are greater loss to Mother Earth Than dying men to That within The Visit where all the stars led birth.

THE FOURTEENTH EARTH By Walter Kateley



N relating this experience, which I feel pression only when it seems precessary

I hope that this report will constitute an acceptable excuse to my department for long absence from my time become a document of some appreciable value tive properly begins, I had been working for some vetrs as an assistant examiner in the Paters Office

About a wear ago, shortly before my armual vacution, my superior, Primary Examiner Jameson, in regular legal form, we would have to prepare a

practise before the Paters Office, by the Commis-

The presentation of claims was made in a simple

ter-well, there is perhaps no place in the world where one comes in contact with so much that is the Parent Office. I thought I was quite introune to

read it again and again.

ing It was as if one were to dream in the night of visiting some bedroom cluttered up with souvenirs and oboto

aside to take it up another day. But my mind kont wandering back to st, just as a sure tongue, as spite usual form, setting forth the name of the appli-

"My invention pertains to a substance hereinafter

"The claims berewith presented have been careslike, to wit .- That this aforesaid substance when anoled or brought in contact with any other substance or matter, of whatsoever nature, will an

Then followed a exceful description of involved

of legal and scientific phrascology, but extremely convincing withal. I was brwildered. Was this

an article by Sir Oliver Lodge entitled, "Within the

exists in two forms, negative, which is called an

electron, and positive, which we are now beginning "The material universe seems to be built up of

viry monute scale. First of all we find a group of protons, welded together by a compact assemblege

> and ottside it and at a it, we find a regular series round it, like the planets

planets among them, with this conclusion: "Soffice is

So it appeared that the only difference between relative terms, has in the number of positive electric particles forming the nucleus of their respective

Therefore in the case in hand, nothing new is in-B and somewhat beaut by that well known before-RING somewhat juded by my past year's work. hand vacation feeling, I decaded to lay the applica-

One day it dawned on me that his address was in my own state, only a few hours ride from me. So I decided to call on hum, hoping in that way, to learn semething of his methods. I expected to come in contact with a well trained mind. I was disappointed, the sect amonion, when I found him, the

the cost moving, when I found him out of the property of the p

Of course I offered my services, and saked where the identities was included. She does not to the creat the identities of the identities with the course of the identities of

In the foreground was an upright piece of apparamental parties of the usual desiries X-ray machine, but apparently confairing unto a number of loopers, where and agenters. As I stopped a compared that was because the following the confairing the property of the property

I was alon, he'ere this strange device. I had a mementary belong had I was standing in a prosecte On a rule belong the machine model a small sharedter and the stranger of the standard standard stranger standards, show the size of a high-south. That of the waster of which floated ones, does not move of the waster of the size of a high-south. That of projecting from all the walls. I meteori that conpositioning from all the walls. I meteori that control of the waster of the size of the size of the other control of the size of the size of the size . And well as would not chain the suppodient of the size of the size of the size of the white the specialism as no the whereabours of Mr. Agenon, I down you on the threat is was realize I will be the second of the se

snyelf. I now a bette sum about twenty seikes tall, conseq harmedly owned no. I decided to well for his liels, which be pringerly offered by supporting my feet, and I had no difficulty in eliminate to the larger than my rescute. I thought, "This is only a temperary habiterization, and I shall come out of a directly,"

Thus I brought up with a mild ierk, and as my

For a long memont we stood regarding each other, with surprise and wonder. Then the brunan aspect of the stranson asserted itself, and, senaing that certous amentics were required of not, I thanked him us as well-selected worth as nor modified heavy could

Marver, the their of words was of little most, for he social may printing bear a courtones potates, and make rejember in words that both meaning for are. There as I goard as my orrange meaning for are. There as I goard as my orrange detail—he stood, words they also I was and where I come from. Then for the first that I come from the I may be a first that it is not the stood of th

About this time my comparion became aware that I was cert of my element—lost in a strange world, and with no appearant heritative, assumed the role of conductor.

We were, in what accord to be a park, or the

we work in what account to be a park, or the grounds of a large cetter, and he had not no a managed grounds of a large cetter, and he had no a consequent pocket tas, increment recombling a very small dealcheck. Thus he held in this hand, while he made a low right adjustments, and to my surprise, begin utilizing to it. He was apparately giving the interessence instructions, which I, of course, was smaller some instructions, which I, of course, was smaller some instructions, which I, of course, was smaller to the park of the contraction of This was rather a suppliedly performance, since me was no device, and apparently no comparisons there was no device, and apparently no comparisons consequences on the control of the cont

SOON we came to a drame wood, and while I was wendering where the road could punetrate this, we rose evenly from the ground, and passed over it. Nor doll we allott a unit until identity before we

reached our destination

We approached a city, and passed many conveyarms resembling our own. As we drew near a

heapy building, to some extent files a modern herd, but much more ormate, we cannot down still glided along a smooth broad streat. Passing along this street were a great many people, who observed me with the keenist inferest. All were barrelote, or were only sendals on their foct, and their other clothing appeared to be but a single gamment. It was not quite heavy but will trainfer and of a dish to read their other control of the street of a dish to read their other control of the street of a dish to read the street of the stree

any complexion constitutions of the company of the

history are in a very property wey. I general this they called him Akon.

After a rather lengthy discussion, Akon mounted a chair, and made a little speech. He purcutasted this ornation with gestures, now toward the others and now toward me. I supposed that he was sixtroducing me, and so when he was skine I bowed and smilled

cover till some time afterward.

Then Alon and two of the others conducted me to a private apartment and after demonstrating the various household devices for my comfort, they withdread the control of the moments with an ample and tasty supper, which they placed before me, and

tions there have.

I was hungry and tired and so senated and confused that I was coly too glod to be alone. The food proved to be very palatible. There was quite a variety of it, but I was mable to digramine of what any of the define were excepted. There was no ment or vegetables, in natural state. Everything secured to be cost in modifs, like manafactured

Soon I noticed that it was growing dark out of doors, and I wondered if I could compose myself

into the mgm, trying to pince together my surrous experiences, unable to deemle what it all mosts. It was apparent that my body had undergoon a change of atomic structure, assuming a greater density. This, no doubt, was the reason I had become so much traveller.

learnity. This, no doubt, was the reason I had comin so much strailler. It was also clear that I had descended into the It was also clear that I had descended into the santh, to a place where the strends density of the surscot of an immer strainm was sufficient to entain me in my altered condition. Here all the proofter of the strain of the proof of the surface must be the strain of the thirms of this surface must be as

ms in my altered condition. Here all the possible sever approximation by more miss, and me think, of every approximation of the more approximation of every different properties of the surface more bore dasher the same relation to the dentity of the rost entation them, is our contract entity brings up to extract motion, as our contract entity brings up to turne more solid than grantee rock. I field to wonter that their laws beginning regist. It field to wonter the solid than grantee rock. I field to wonter the solid than grantee rock. I field to wonter the solid than grantee rock. I field to wonter than the solid than grantee rock. I field to to make the solid than grantee rock. I field to wonter than the solid than grantee rock. I field to wonter than the solid than the solid than the solid to the solid than the solid than the solid than the solid tension of the solid than the solid than the solid than the tension of the solid than the so

THEN my thoughts wandered back to the disappearance of Mr. Kingston. I had not thought of him since meeting. Now I had no doubt of his fint. Like mo, he was thong up his residence in a strange lend; I wondered what he looked like, and if I should even see libra. I wondered what the sambler grasped. What an age it seemed since I left been in the meeting.

In the invitating Alons and his two friends came. Then next incoming, Alons and his two friends came in Then next incoming an apple. I window a with post little anxiety, while a lengthy document was read and white the court questional cach of the three in term. At length he seemed satisfied, and after his seal had been affect to the document, we were his missed.

Not for some weeks afterward did I learn what it

see all short. It enough the on only artical, Alone to be Color, and a spilled spinded must might present as not tought to it makes. And that upper the color of the color of

From these observations I decided that they were a lattle farther along than we are, a little older in the scheme of existence.

The physical examination over, they set to work to find out what I knew. Some writing was placed before me, to see if I knew anything of a written language, and some bells were slowly courted. I course they could not read. Then I took up the After lunch Alson took me for a drive in the

country. Although it was midsummer, I was surprised to see no crops growing, and no sign of any domestic snimels. There were a great many beamsindustry. There were many detached houses, west-But everything was strange. The trees were differwildered than ever. The following day they set to work to teach me the language, for it was evident to teach see hirself. He pointed to objects and called them by name. I repeated after him, and

called themselves felt Directly I had learned a few words he introduced and within a ten weeks found that I was making gratifying progress. At the end of three months, I sible, my accidental descent to their world within the tions. Many of these I was unable to underwood

LEARNED, among other things, that all food necessity of growing food stuffs, and of raising domestic autonia. They were relieved of the recessive

These electrons and protons which we associate with electricity, they associate with light. They are different manifestations of light, and they believe discovered the secret of life. There all transports-

motors" on the cars. These motors were so small Of their relation. I was able to learn but firthno churches and hold no public services; but when small chapd or shrine, and allowed to remain in chapels for three days. There is one of these little buildings in each village, and one for every few thousand inhibitions in the exten. I asked Akon

up to a higher plane of existence This was the only manufestation of any religious belief I saw during my stay. At first it seemed were primitive to me, and I wondered smee their civilimis treatly considered the factor that differentiates

realization that we are making carnest effort, in fact

WAS led to contemplate the evolution of our of growing in complexity, it was gradually becoming samplified. In the old pages days, there were megods. Sacrifices of animals and even human beings generations to build some of them. Now all is changed. No more sucrifices. Only one God. Buildings comparatively modest, and paremonee religious beauts that were in vogue a few centuries

Recently some orientists of recognised ability has

chained to have secured proof that there was horson Ledbetter, that they are in communication with dis-However, my coming was now hailed as positive

prood that this theory was entirely tenshic On one memorable occasion, Alcon told me that he

We traveled for some days in kingrely fashion that book a series of volumes. So I must confine

Upon our arrival, we took up our headquarters The next day we visited the works, and my com-

scientific terms and of engineering processes. How-

A PORTION of territory was selected and inhited from its surroundings by applying a an such a way as to produce a wall or partition of decomposed soil and subsoil, from which cortain elements were removed. This partition, being a non-conductor of heat and light, served to form the boundary lines of the tract to be treated. The de-

The container or vat thus being completed, the

When all was sufficiently melted, a hure rent was

The remaining material is then allowed to cool,

drawn on for substances for months, or in some cases even for years. At the appointed time we were in a vast crowd among the buildings where the tele-Suddenly, without warning, the cotire sky was

smoke slowly ascending from the vat. There were shooting rays like the Northern Lights; there were areas of dense blackness, shot through

interse light, each as accompany bursts of shrannel; such a display of light and color as one might expect column gradually assumed more definite shape and color. In the center, there arose a firry column, shooting straight toward the senith, and on either side of this a column of less builtimor, as though the incandescent column were surrounded by a counter of finarescence, which rapidly juded toward its cir-cumference. This column was very large at the for-

This diminished in size as it ascended, in the same way as the rule of a railway appear to converge in the distance, when one looks along a level stretch of track. This column grew smaller and smaller till it

After gazing for some time at this scene, entirely I followed after them and found them surbered in

susgnified images from the gigantic instruments. As assigned a seat beside Alon, I saw a spectacle of brilliance and grandeur rivalling anythmy I had ever

H OW shall I describe it? Words can only con-vey a most imperfect and insdequate picture. expering toward the ton I remarked to Alcon that this seemed to me to be a

tervals, were thought to be caused by the varying during the bowl of the wase. Then, as it rises to a

the second time since my arrival in this strange land,

1098 in spite of the gripping interest of the spectacle, my hele numbered duca za Mr. Kingston's laboratory,

Then as I pendered over this, the might stem suchienly blossomed at the top, or rather exploded like a beautiful rocket in a guant pyrotechnical dis-

play, and a murmur of awed appreciation went up from those around me, beinging back the scene on The top of the column had at length reached the where the heavy gases had come in contact with our

Here were great luminous clouds and vivid scintil-

cone. These streams faded in the distance till they merged with the darkness of the sky. The illumina-tion was so brilliant, that after guing for some time about, long ago That squat cone-the fading and destruction; with the white-hot streams of lave and cation, and boiling into the sea. I saw a multiothers faire from sufficiency or peristing miserable from the heat; and bovering over all a great pall of black antole, while a rain of cinders and ashes de-

meet the beaming countersnee of Akon, happy in the contemplation of this thing of beauty on the relanguage with which to answer him.

away from the mirror. It no longer held any fascination for me. My companion soon followed me, and when I had composed myself enough to regain and of their havor and destruction.

He was deeply concerned, although at first a little incredulous. However, he promised to report the reletter to the scientific society, and thought perhaps some means might be devised to ameliorate its ef-fects, or possibly to do away with the eruption al-

Very soon after our return from the reducing said they were already proficient in arranging the electrons and protons in the proper ratio to form any

basic substance. But to re-arrange the electrons in without reducing it to its primary elements was

*HE late promulgation of the Einstein theory created a somewhat amingous ster in our world

Under the urge of this stinulus, the Penyon Society, in encognition with other research workers,

by constructing an apparatus that would revivify my They all set to work with such vivor and enthusiates that hardly a grouth clapsed before all was ready for Then we again presented curselves before the

magistrate, and in larguage which I was now able and permit me to subset my person, in the interests dangerous process. This petition was readily granted. me good-bye with much feeling and very evident re-At the appointed hour, in the presence of a great

multitude, I approached the insulating var, and graspmy solftary departure a year ago. Almost immedi-At first slowly, and then with gradually accelerate

ing velocity. I was seen travelling at great speed, and directly commenced to experience that sense of beupward movement.

Then, when I finally emerged from the gloom, I bad a moment of clear consciousness; then I perof water, gaining enough memerature to carry it clear For a fraction of a second I bung suspended a few

told in the little town of Wilby. Of course, no trace I have no desire to be transferred to the psycho-

I should no doubt be indeed insone without further

The FIGHTING HEART b) W. Alexander



but fortunately, in the stress of getting supper, she his lanch, he repeired to their offices and was in-

with whom he came in contact, from the truck driv face and a hit of girth around the counter. He w

A tremendous piece of back had befallen him the

who had receively deed in Alaska. They stated that the enate approximated one million dellars, and what is would take a few menths to comply with legal formalities before the name could be turned over to bins, they would be lurgey to be allowed to advance him any auma be might require. On the impalie of the memorat he "leverhad" them

On the impulse of the moment he "teachest" them for five thousand dollars, not because he had say sarticular use for such a sam, her just to convince himself that he was awake sed linearing to a true story. He succes the lawyers to secrecy for no very well defined reason, except that he feared to have it become known that he was rich until he had him:

in adjoin humself to the idea.

Dowing the affersoon, silter recurning from his meeting with the lawyrar, whenever Jine Long, the focusion, secondal him with an extra mostly list of focusion, secondal him with an extra mostly list of larger the endp certified theck for five theatment dolling, and wonder what far jim words may the flathed the before his eyes. Then, after appare that right words Ann, how soft, gove lam a terrifle tongue holding for breaking one of her blue success with winning from the control of the success with winning the present of the success with the product and he may be for any law factored the check in his product and he may be for any law factored the check in his product and he is no product and he is no product and he is not become the success when th

wondered what she would say, if he hinded her the check is a nonchalant reasoner, saying? "Erer, Ann, old girl, take this and buy all of the blue sources that you wan?" A few evenings later, when he had finished waping

step across the street to Dr. Wentworth home, to consult him about a pain he was having in his side. "Pam, fiddlesticka," snorted Ann. "You've been stuffing yournaff with he for lusts hagain, I suppose. Now don't you stay over there guesting with that

doctor, because I want you to scrub this iotches tonight."
"Yes, my love," answered Tom meekly, "I won't

Le body.

2. The property of t

"Well, Toun," and the doctor, "I am glad to have that you have fallen heir to a fortune. Now about your condition; as I have told you many tense, it is largely mernal. You are in good health and a realize strong roan for your sue. In a metter of fisteening, you could give a wery good account of yourself, if you would fight. Do! understand that you have told no etc. of your inheritance, not even your write?"

"No, you and the lawyers are the only once who know. Doe, you have an internsimal reputation for performing unusual operations, like those stomath exchanges, for instance. Can't you do something for

this criven lear of everyone who says 'too' to me?'
"If you are to be cared by an operator,' so to Do. On the me of the care of the treat of the care of the care

"BUT my goodness, Doe, you couldn't exchange my heart with another man's without killing

The preservoir and the dector with a smile: "One operation of the control of the

"Dr. Zenth Alles invested, or daneword, Cellidrogs, a combined on chamists which, when androgs, a combined on chamists which, when androgs are combined on the combined of the property of the combined of the combined of the land, and the combined of the combined of the land, and the combined of the combined of the those two sports, Arruka and Callodinosy, it has be come each a single operation and we are to shope or seen as the combined of the combined of the common of the combined of the combined of the vasa and interior, where we have made the contentor with the new heart, are completely headed and in over the combined of combined of the combined of the

what you coll a "lighting heart" that would be willing to unsite the earthrage? Then too, I wouldn't want any cose to know that I had undergone such an operation."

"Yes, I could find a man willing to make the exchange for a price. That is where your new wealth

change for a grice. That is where your new wealth will come in hundy. The caset nature of your operation need not be known. It could be given out that you had undergone on operation for the removal of your appendix."

"Dec." wed Tom carrestly, "above all things, my

wife ment the know the states of this operation, we are not good work. Complian by the of pains as your address and have been all to be such as the pains and have been all to be such as the pains and have been all to be pains and the pains and have been all to be pains and the pain

to remain a few minutes.

On the morning of the operation the doctor said to Tom:

"In these exchange operations we think it best

that the patients do not meet, as it might be a source
of emburassment later, but I am going to give you
a sight of the man from whom you will acquire the

"ághting heart," because he is such a fine specimen of young manhood."

The doctor led him down the corridor and into a room in which was a door feating into the most room. The upper part of this door was of glass overed with a lace certain.

room. The upper part of this door was of glass owered with a lace certain.

"Look through the curtain," said the doctor, "The man with whem you are to make the exchange is standing in the next room."

Tom looked through the curtain and saw a fine

locking young man, apportunity an athlete. He seemed almost the a composite picture of Firpo, Dempoy and Tunney. As they walled back up the corridor Tom said:

As they walked back up the corridor Tom said:

"That mere is a fine looking young fellow. Fill
bet he can whip his weight in wild-cats. But say,
Doe, when he acquires this heart of mine, how well

st affect him?"

"It will have no effect whatever on his actions.
There is nething organizably wrong with your heart, so I have often told you. Year treatle is largely mental. This mush has the fighting mental attitude and will corry on just as he has before and your heart will furnison perfectly for him."

WHEN Tom came out of his deep sleep and Dr.
Weatworth informed him that the operation
was a complete success, he was as happy as a larfe.
A week latter the doctor said to him:
"Tom, my conduct in the matter of your operation

has been most unerhand, not ferring your well know, and so on, but out of friendship to you, I am group to custimus on the same hard. I am going to take month's weaklers and you not I are going to take month's weaklers and you not I are going to Been made, without your wife. When we cetture in a moreous of the same was the weaklers of the same moreous, on make whatever explanations you thrulbest to your write."

Tem found unexpected difficulty in persuasing

Ann that the trip to Bermada without her was the proper thing, but finally, with the doctor to back him up, he convinced her.

The month at Bermads with Dr. Wentworth was a revelation to Tom, who had found little time for

a revelation to Tom, who had found little time for play is his life. The doctor tength him to play golf and they put in their days golfing, swimming and fishing.

On the morning of their return to the city Tom

"Doe, the man from whom I got this heart must have been a lighting fool, for I am never so happy as when I am about to get into a scrap. Sure different from the way I med to he."

ent from the way I med to be "
"Use a little discretion, Tem," Dr. Wentworth answered, santhing quite catally at him. "If you don't, one of these days some little fellow will come along

TOM went at once to his home, greated his wife rather causally, changed to his working clothes and reported to the warehouse for work. As soon as film Larg, the foreman, found a moment of letsure, he approached Tom, who was seated

usual line of beforing and brow-beating.
"Say, rura," soid Lang, "do you think we going to wark all day for those hills-oil-loining?"
"Now Farty," said Toen, looking the foreman over with a mistiniverse twolkle in his ege, "ill you think

myou can make these bills our faster, climb on this stool
and go to it."
"Why you insignificant pencil pusher," roared the
starpetiod Lang, for never before had this worm
dieed to give him a sharp answer, "If you give me
any of your by_I'll knock you for a row of ash can."

"Atta boy Fatty," and Tom with a grin, as he climbed down from the high steel, "that's the tall. I've been waiting for. Now just for that, I'm gong to grue you a smack."

Ten shoped him with his open hand, hat so forchly, that the unpreserved Lang at down with a

forcibly, this the unprepared Lung sat down with a bounce. "You will notice, my dear Fatty," said Torn, as he stood over him, "that I merely putted you with my

stood over him, "that I merely patted you with my open hand."
"When I get up," said the fat foreman, as he streggled to get his feet under him, "I am going to

tear you agart."
"On no you are not," answered Tons, bughing inspaly, "Secures I am next going to lay my first carefully on the sale of your paw, to help pay for all these years of musery you have caused me."
When Lang finally succorded in regaining, his feet, the mode or with at Tons, swinging his sum, while her

musted him and received a committing whole on the junc, that dropped him as through he had heen shelt. "Now you trutch-long," yilled 'Rom, at the trutch drivers who were looking on in ammounted at the unexpected conduct of the hereoform worm of a slipping-elf-s, 'entry the carrior over to that croner out of the way and then stap into getting these are out of the way and then stap into getting these are only the property of the stap of the proserved of the stap of the stap of the protaining the stap of the stap of the stap the packing cases on their trucks, carring safe-long glazones of beweitherment at the beligerous shapping.

"Here you, Jones," called Tou to one of the men,
who had passed for a mement to rest, "what do you
think this is, a pienic?"
The men locked at him bardenthy roat on the floor.

The man looked at him insolvently, spat on the floor, hathed up his parts, but made no move to resume work.

"I was just hoping that you would give me except," said Teen, with a happy lough as he wolked

extrac," said Torn, with a happy laugh as he wolked toward him. "It's many years you have been stepping on the worm. Now the worm has turned." With that he struck the fellow a deat on the ear, that caused his head to rock and made him see ware, "Get busy," chorded Torn, with hope engoyment,

One barrel was evidently enough, for the fellow proceeded at once to load his truck. As Tom returned to the fulling dask, he noticed Mr. Davis, the president of the company, standing just back of it with a grin on his face. When the last truck was loaded, Tom addressed

me mai:

"You would be a place been taking entirely two
You would be replaced by the depth and hake. I am giving you just one bour to make the round rity,
one half of the time thet you have been toking. The
man that is hose an getting back, is going to have a
light and I will hadd that there are three of you that
I am hoping will be late. Now get going:

"I would be a supplementary of the control of the cont

e canning tack to his sood, "come into my office for a minute. I want to talk to you."

"I noticed how you handled those drivers," said the president, when they were scatted in his office.

AMAZING STORIES

he told her when he had finished, "then come into the "All right dear, I'll be through to a moment." But

"On you are," said Tom, with a menacing glare,

"Bye, bye, old dear," and Tom, as he walked to the door. "As Barrary Google would say, 'I hope you don't feel burt."

HE walked home through a drizzling rain and when he emerged the house, he smiled as Ann

stand around inwing instead of getting my supper.

supper when he gets house from work?"
"Sit down dear," whimpered Ann, as the burged have it on the table in just a riffy." As Tom see his suppor in dignified silence, she

"Is the sorn hot enough, Tom dear?" she asked. "Wouldn't you like another piece of this pie? It's your favorite kind."

mest, for it had been a long time since she allowed him to have more than one plece of pie at a meal "Get these dishes washed and wined in a horry."

When she came into the front room, she seated

"Now Ann-," but got no further for she "Ann I am now a wesithy man, an uncle whom I

morrow I want you to go to a beauty parlour, go your hair bobbed and your face prettied up lake other

"All right, my love," coord Ans with a happy laugh. "I'll get dolled up tomorrow so you won't know me."

slip of more, "Dr. Wentworth saled me to give this

Tom took the paper and examined it with a dellars. Tom had gotten it from his lowers for the Doctor, to pay for the operation. He turned it over and on the back it was endorsed: "Pay to Tom Wilethical, as I have not yet hang out a shingle as a you still have your own brast-which, by the way,

Ourselves -By Leland S. Coecland.

Savige, soint, and thinker Mingle in our mind;

Changed to light and stardust,

you have proved to be equal to duy."

Through the starred alvess

SMOKE RINGS b) George-Mc Lociard



dag more, the men stood

into the flames that lisked the inflammable mond and

H are have published in a long time. If you have me blane anothe rings until your cigar, eigeneite or pin-you may have montered wheat the arisans tokind then

the growing crowd below. The man shouted his

upon the proud figure, the walls crashed inward/raising ruins. A great sigh arose. A man had died resistthe minds of all who had witnessed his drath steel box, came a few days later, the whole world true-as true as the fact that night follows say. Here is the story, revised and checked by the cleared a puzzling mystery and is bound to bring

HAVE done it! But at what cost! Intending g has struck back, kriting and injuring those who I know that Fate would burl into the nath of my thme I would not for a moment have thought of m-

my history. I am Wilber Gunderson, Poor and uneducated beyond the country grammer school, my terents were of the average farm type, living in When the war broke out I went to France as an anti-arrenalt genner. Between sighting and shooting those black, offenerer ropes that the French Supply Corps called eigurs. Blowing rings and watching them as they ascended into the breeze, where they Once, while in such a mood, a design-fly darred born. The dragon-fly was an airplane and the smokein rising, would be sure to spread over a vast area That idea came to my mind many times after I about the completion of the nuchine. I studied the the point where I believed it warranted an actual experiment, I went to Ava, Ohio, where I thought I would be able to expensent without interference or

I rented a huge three-story barn three ssiles from

the nearest farmhouse and began to gather my rings hundreds of feet thick and a mile or more in diameter, but they were of gas and lucked soliditythat was created in Ava the night I sent up a ring composed of explosive cours; the rine shot to a whole country-side. Always, for the sake of safety and secreey. I carried these experiments on at night

Then earne real development. I spent many weeks digging and walling a shaft thirty feet deep into the of the harn. This shaft was the exact center of the

test then. As I scenned the heavy leaden might

turned my mind to the work on hand "Great," I thought, "if all is to the good, I'll bore a hole a mile in diameter tarough those clouds overhead" Running to the switchboard, I three in the switches controlling the many air pumps and for almost an hour the pumps kept up their maridening, thump, chug, thump, chug as they filled the gigentic

Then the valves were opened, letting the hot moint to see if the clouds were dense enough, I made sure that the well cover was tightly closed. Reassured, I opened the compressed air tanks, thereby admitting air, the most perfect ring I had ever made, so black And then I saw something that froze the blood in

my wine. Hugh above the rising ring was the long Lightning flushed close by and rain begon to potter

nightmare, hoping and hoping against hope that my engine of destruction was a failure. I about there, I know not how long, it might have been centuries, rending crash of a metal body meeting the unysching

I found myself dushing across the fields, through done w! !! "You murderer?" screeped the crushed of America. The chastly sewered girders stretched their long pointed fingers accessingly at me. I atood for hours brooding over the rums. The milling in a sort of a date, excited and horrified by what they On my way back to the accurred hara, I came upola group of non-remixing an expan-from a libhund goardate. The sourceiff collectors were even then at work.

That was mentle, years ago, I dared not left that That was mentle, years ago, I dared not left that That sent the Skymandeesh to her death. No, I would have been thrown into some asylem. I loger, my distence and sworted with and foreignings the result

spon set-back flavor caused accountrie. The world thanklet Schemendask was not strong enough to without of the cause of the cleanages. I know better. There is not an arrisph point and never will be that will withthat that the terrific concession of a smoke ring. Agplanes, two, become utermanageable in the clutch of any the frag. agas ring that destroyed the Schemendash, the control of the control of the control of the control of the terrific and the control of the control of the control of the terrific and the control of the control of the control of the terrific and the control of the control of the control of the terrific and the control of the contr

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POLLOCK AND THE PORROH MAN

By H. G. Wells

(Comments from page 1)

wasced to the jury with he hard rated. Surely be would see now his imagination had decreed his recognise the distinctive should decreed his recognise the distinctive should be some former. At last, after an age of heotstoon, his fingers cause down the pattern of the head. He withfree them spartnessly the head of the head the same of some had been as the pattern of the head. He seems of stoods had been as a support of the head of the h

Trembling, stunting against the bed, kideling against his shoes with his bare foot, a dirk con fusion eddying round him, he groped his way to the directing-table, took his racor from the drawer and sat down on the bed with this in his hand. In the locking-glass he say the own face, colories having did not the stillings histories of decrease. rea tops 100°C. The horizont is a beginning to the control that the horizont is a beginning to the horizont day, the period of control that the horizont is a beginning to sanderful it was all dies are and patient source to the horizont to sanderful in washing to washing the washing to the return to horizont to the private to have been a few top the period to the return to diesely the hond, who the period to the horizont is diesely the hond, who the period to the horizont. Be read to the period to the horizont in the horizont to diesely the hond, who the period to the horizont to the horizont the horizont the horizont that the horizont the horizont that the horizont that

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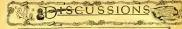
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THE FOURTEENTH EARTH

By Walter Kateley
(Concluded from page 1008)

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